CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, August 24, 1905.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See issue.
Aug.				
*17	Dike	Los Angeles, Cal.	P. & S.	6-22
19	Prison addition	Portsmouth, N. H.	S.	8-3
*21	Bridge	Concord, Me.	P. & S.	8-3
*24	Water-works, etc.	Marksville, La.	S.	7-27
*24	Breakwater	Boston, Mass.	P. & S.	8-10
26	Coaling plant	Philippines	S.	8-10
26	Scale	Washington, D. C.	S.	8-10
*28	Asphalt plant	New Orleans, La.	S.	7-27
29	Macadam roads	Wilmingt'n, Del.	P. & S.	8-17
*30	Pump'g engine	P. Amboy, N. J.	P. & S.	8-24
*30	Pipe laying	Garfield, N. J.	P. & S.	8-24
*30	Bridge work	Pittsfield, Mass.	P. & S.	8-24
Sept.				
1	Steel manufacture	New S. Wales.	S.	3-23
*4	Concrete conduit	Salt Lake City, Utah.	P. & S.	8-10
*5	Drainage work	Miami, Fla.	S.	8-10
*7	Conduit, etc.	Richmond, Va.	P. & S.	8-17
*5	Macadam road	Wilmington, Del.	P. & S.	8-24
*6	Filter'g materials, etc	Phila., Pa.	P. & S.	8-17
*9	Sewers	Boise City, Idaho	P. & S.	8-24
9	Pier	Boston, Mass.	S.	8-24
*11	Water conduit	Toledo, O.	P. & S.	8-10
9	Derrick	Washington, D. C.	S.	8-10
16	Hoist	Washington, D. C.	S.	8-10

*Work advertised in Engineering News.

LIST OF CONTRACTS PENDING.

Bids close. Work. Place. See issue.

LIGHT, HEAT AND POWER PLANTS.

Aug. 24. Gas plant, Ft. Wayne, Ind. ..... July 6
Advertised, Eng. News, July 6 and 13.
Aug. 26. Electric plant, etc., Stoughton, Wis. ..... Aug. 17
Aug. 28. Switch boards, etc., Washington, D. C. ..... July 27
Advertised, Eng. News, July 27 to Aug. 3.
Aug. 28. Gas plant, Winnipeg, Man. ..... Aug. 10
Advertised, Eng. News, Aug. 10 and 17.
Aug. 29. Boilers, etc., Washington, D. C. ..... Aug. 10
Aug. 30. Lighting, St. Louis, Mo. ..... Aug. 24
Aug. 31. Elec. conductors, New York, N. Y. ..... Aug. 24
Sept. 1. Electric light, Lagrange, Ga. ..... Aug. 24
Sept. 1. Electric plant, Middleburg, Pa. ..... Aug. 24
Sept. 5. Electric light plant, Burlington, Wis. ..... Aug. 24
Sept. 30. Power plant, etc., Washington, D. C. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Sept. 21.
Dec. 2. Water power, Porto Rico ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 14.

BRIDGES.

Aug. 24. Bridge, Mt. Holly, N. J. ..... Aug. 17
Aug. 26. Bridge, Eaton, O. ..... Aug. 17
Aug. 26. Bridge, Dayton, O. ..... Aug. 10
Aug. 26. Bridges, Logansport, Ind. ..... Aug. 24
Aug. 28. Bridges, steel, Woodward, Okla. ..... Aug. 24
Aug. 29. Bridge, Spartanburg, S. C. ..... Aug. 24
Aug. 29. Bridge, Zanesville, O. ..... Aug. 24
Aug. 29. Bridge and culvert, Indianapolis, Ind. ..... Aug. 24
Aug. 29. Bridge, Zanesville, O. ..... Aug. 24
Aug. 29. Bridge, etc., Kansas City, Mo. ..... Aug. 17
Aug. 30. Removing bridge, Pittsfield, Mass. ..... Aug. 24
Advertised, Eng. News, Aug. 24.
Aug. 30. Bridge, steel, Pittsfield, Mass. ..... Aug. 24
Advertised, Eng. News, Aug. 24.
Sept. 1. Bridge, Tacoma, Wash. ..... Aug. 24
Sept. 4. Bridges, concrete, Springfield, Ill. ..... Aug. 24
Sept. 4. Bridge, steel, Neosho, Mo. ..... Aug. 24
Sept. 6. Bridges, steel, Colusa, Cal. ..... Aug. 24
Sept. 7. Bridge, Delaware, O. ..... Aug. 24
Sept. 7. Bridge, Norwalk, O. ..... Aug. 24
Sept. 8. Bridges, O'Neill, Neb. ..... Aug. 24
Sept. 8. Bridge, Albany, Ore. ..... Aug. 24
Sept. 8. Bridges, Antietam, Md. ..... Aug. 24
Sept. 16. Concrete bridge, Washington, D. C. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 18. Bridges, steel, Virginia City, Mont. ..... July 20
Sept. 30. Bridges, Porto Rico ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Sept. 21.
Oct. 1. Bridge, steel, Pensacola, Fla. ..... Aug. 24
Oct. 4. Bridge substructure, Chicago, Ill. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Oct. 4. Bridge superstructure, Chicago, Ill. ..... Aug. 10
Advertised, Eng. News, Aug. 10.

BUILDINGS.

Aug. 24. Apparatus, Lincoln, Neb. ..... Aug. 3
Aug. 24. Buildings, Seattle, Wash. ..... Aug. 3
Aug. 24. Five buildings, Seattle, Wash. ..... Aug. 3
Aug. 26. Hotel, Monmouth, Ill. ..... Aug. 17
Aug. 28. Hospital, Buffalo, N. Y. ..... July 27
Advertised, Eng. News, July 27 to Aug. 31.
Aug. 28. Frame barrack, etc., Delaware City, Del. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to 17.
Aug. 28. Jail, Stephenville, Tex. ..... Aug. 24
Aug. 30. Hospital, New York, N. Y. ..... Aug. 24
Aug. 31. Workshop (Mfg. Plants), Oswego, N. Y. ..... Aug. 24
Aug. 31. Building, New Haven, Conn. ..... Aug. 24
Aug. 31. School, Durham, N. C. ..... Aug. 24
Aug. 31. Heating apparatus, Burlington, Vt. ..... Aug. 17
Advertised, Eng. News, Aug. 17 and 24.
Sept. 1. City-hall plans, Regina, N. W. T. ..... Aug. 3
Sept. 1. Apartment house, Chicago, Ill. ..... Aug. 17
Sept. 4. Heating system, etc., Huntington, Ind. ..... July 27
Sept. 5. Buildings, Salem, Ore. ..... Aug. 24
Sept. 5. Buildings, Sonyea, N. Y. ..... Aug. 24
Sept. 7. Hospital, Jersey City, N. J. ..... Aug. 24
Sept. 8. Hospital, Prescott, Ariz. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Sept. 14.
Sept. 9. Dwelling, etc., Philadelphia, Pa. ..... Aug. 10
Advertised, Eng. News, Aug. 10 and 17.
Sept. 10. Office building, Omaha, Neb. ..... Aug. 3
Sept. 10. School, Tallahassee, Fla. ..... Aug. 17
Sept. 11. Buildings, San Francisco, Cal. ..... Aug. 24
Sept. 13. Produce market, Baltimore, Md. ..... Aug. 24
Sept. 14. Buildings, Shawnee, Okla. ..... Aug. 24
Sept. 14. Hotel, Little Rock, Ark. ..... July 6
Sept. 18. Building, Duluth, Minn. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Sept. 21.
Sept. 19. Capitol building, Bismarck, N. Dak. ..... Aug. 24
Oct. 7. Building, Shreveport, La. ..... Aug. 24

WATER SUPPLY AND IRRIGATION.

Aug. 24. Pipe laying, Framingham, Mass. ..... Aug. 17
Aug. 24. Water-works, Enderlin, N. Dak. ..... Aug. 10
Aug. 24. Water-wks., electric light, Marksville, La. ..... July 27
Advertised, Eng. News, July 27.
Aug. 25. Stand-pipe, Grand Rapids, Mich. ..... Aug. 17
Advertised, Eng. News, Aug. 17.
Aug. 25. Water-works, Frederickton, O. ..... Aug. 17
Aug. 26. Water mains, etc., Bradley, Ill. ..... Aug. 17
Aug. 26. Reservoir, etc., Ft. Moultrie, S. C. ..... July 27
Advertised, Eng. News, July 27 to Aug. 17.
Aug. 26. Boiler, San Antonio, Tex. ..... Aug. 10
Aug. 28. Pumping plant, Winnipeg, Man. ..... July 6
Advertised, Eng. News, July 6 to Aug. 24.
Aug. 28. Water-works, Monroe, Ga. ..... Aug. 17
Aug. 28. Engines pumps, etc., Plymouth, O. ..... Aug. 24
Aug. 29. Laying mains, Marion, Ind. ..... Aug. 17
Aug. 30. Laying pipe, Perth Amboy, N. J. ..... Aug. 24
Aug. 30. Pumping engine, Perth Amboy, N. J. ..... Aug. 24
Advertised, Eng. News, Aug. 24.
Aug. 30. Pipe laying, Garfield, N. J. ..... Aug. 24
Advertised, Eng. News, Aug. 24.
Aug. 30. Water pipe, Marietta, O. ..... Aug. 24
Aug. 31. Water-works, sewers, Banff, Alta. ..... Aug. 17
Aug. 31. Water supply, Owensboro, Ky. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 7.
Sept. 1. Pipe and laying, Hayfield, Minn. ..... Aug. 24
Sept. 2. Water supply, Brookside, O. ..... Aug. 24
Sept. 2. Pumping unit, Niagara Falls, Ont. ..... Aug. 10
Sept. 2. Water-works, Barnesville, Minn. ..... Aug. 17
Sept. 4. Reservoir, Wilmington, Del. ..... Aug. 17
Advertised, Eng. News, Aug. 17 and 24.
Sept. 4. Mains, tank, reservoir, etc., Ames, Ia. ..... Aug. 17
Advertised, Eng. News, Aug. 17.
Sept. 4. Concrete conduit, Salt Lake City, Utah. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Aug. 31.
Sept. 4. Pipe laying, Falmouth, Mass. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 4. Pumps, motor, Thief River Falls, Minn. ..... Aug. 24
Sept. 4. Water and light plant, Carbon Hill, Ala. ..... Aug. 24
Advertised, Eng. News, Aug. 24.
Sept. 5. Stand-pipe, Stromsburg, Neb. ..... Aug. 17
Sept. 5. Canal repairs, Turlock, Cal. ..... Aug. 17
Sept. 5. Conduit, pipe, etc., Richmond, Va. ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 7.
Sept. 6. Filtering materials, Philadelphia, Pa. ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 7.
Sept. 5. Water-works, Princeton, Ky. ..... Aug. 24
Advertised, Eng. News, Aug. 24.
Sept. 6. Water-works, Dover, Pa. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 7. Water main extensions, Norfolk, Neb. ..... Aug. 17
Sept. 7. Water system, building, Wash., D. C. ..... Aug. 17
Sept. 11. Water conduit, Toledo, O. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Aug. 31.
Sept. 14. Pumping machinery, Columbus, O. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Sept. 14.
Sept. 11. Well, Fort Hancock, N. J. ..... Aug. 17
Sept. 15. Pipe laying, Cincinnati, O. ..... Aug. 24
Sept. 18. Water pipe, Victoria, B. C. ..... Aug. 17
Sept. 19. Pumps, hydrants, etc., Toronto, Ont. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Aug. 24.
Sept. 19. Pumping engine, Burlington, N. J. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Sept. 21.
Sept. 21. Pumping plant, Galveston, Tex. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Oct. 5. Piping, Peru ..... Aug. 17
Oct. 23. Water-works, electric plant, India ..... Aug. 24

SEWERAGE.

Aug. 24. Sewers, Clinton, Ia. ..... July 27
Aug. 25. Sewer, Hammond, Ind. ..... Aug. 17
Aug. 25. Sewers, Rockford, Ill. ..... Aug. 17
Advertised, Eng. News, Aug. 17.
Aug. 26. Sewers, East Moline, Ill. ..... Aug. 24
Aug. 28. Sewers, New York, N. Y. ..... Aug. 24
Aug. 28. Sewer, Winona, Minn. ..... Aug. 17
Aug. 28. Sewer, Port Clinton, O. ..... Aug. 17
Aug. 28. Sewer, New Brunswick, N. J. ..... Aug. 17
Aug. 28. 3½ miles of sewers, Ames, Ia. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Aug. 29. Sanitary sewers, Watertown, Wis. ..... Aug. 17
Aug. 29. Sewer, Des Moines, Ia. ..... Aug. 24
Aug. 29. Sewers, Cleveland, O. ..... Aug. 24
Aug. 30. Sewer, Washington, D. C. ..... Aug. 24
Aug. 30. Sanitary sewers, Marietta, O. ..... Aug. 24
Aug. 31. Sewer, Coshocton, O. ..... Aug. 24
Aug. 31. Sewers, Chicago, Ill. ..... Aug. 24
Sept. 1. Sewers, Roanoke, Va. ..... Aug. 24
Sept. 2. Sewers, etc., Newton, N. J. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 4.
Sept. 5. Sewers, Centerville, Pa. ..... Aug. 24
Sept. 6. Sewers, Harrison, N. J. ..... Aug. 24
Sept. 6. Sewer, etc., New Hampton, Ill. ..... Aug. 24
Sept. 7. Sewer, Delaware, O. ..... Aug. 24
Sept. 7. Sewers, Washington, D. C. ..... Aug. 24
Advertised, Eng. News, Aug. 24.
Sept. 9. Sewers, Boise City, Idaho ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 11. Storm sewer, Willoughby, O. ..... Aug. 17
Sept. 13. Sewers, Lexington, Ky. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 14. Sewer system, Shawnee, Okla. ..... Aug. 24

STREETS AND ROADS.

Aug. 28. Macadam roads, Detroit, Mich. ..... Aug. 17
Aug. 28. Wagon road, Kooskia, Idaho ..... Aug. 10
Aug. 28. Road, Bowling Green, O. ..... Aug. 3
Aug. 28. Asphalt plant, New Orleans, La. ..... July 27
Advertised, Eng. News, July 27 to Aug. 30.
Aug. 28. Road, Oakland, Cal. ..... Aug. 24
Aug. 28. Paving, Union, N. J. ..... Aug. 24
Aug. 28. Paving, Herkimer, N. Y. ..... Aug. 24
Aug. 28. Paving, vitrified brick, Louisville, Ky. ..... Aug. 24
Aug. 28. Walks, Long Island City, N. Y. ..... Aug. 24
Aug. 29. Paving, Zanesville, O. ..... Aug. 24
Aug. 29. Paving, Troy, N. Y. ..... Aug. 24
Aug. 29. Paving, Portsmouth, O. ..... Aug. 10
Aug. 29. Macadam road, Wilmington, Del. ..... Aug. 17
Advertised, Eng. News, Aug. 17 and 24.
Aug. 29. Paving, Portsmouth, O. ..... Aug. 17
Advertised, Eng. News, Aug. 17 and 24.
Aug. 29. Paving, Portsmouth, O. ..... Aug. 17
Aug. 29. Grading, Cleveland Heights, O. ..... Aug. 17
Aug. 30. Asphalt paving, Madison, Wis. ..... Aug. 10
Aug. 30. Paving, Louisville, Ky. ..... Aug. 24
Aug. 31. Road, Jackson, O. ..... Aug. 24
Sept. 1. Roads and trails, Wallace Idaho ..... Aug. 10
Sept. 1. Macadam roadway, Fort Hancock, N. J. ..... Aug. 17
Sept. 1. Paving, Elizabeth, N. J. ..... Aug. 17
Sept. 2. Roads, Harrisburg, Pa. ..... Aug. 24
Sept. 5. Paving, brick, Norwalk, O. ..... Aug. 24
Sept. 5. Paving and curbing, Harrison, N. J. ..... Aug. 24
Sept. 5. Paving, Toledo, O. ..... Aug. 24
Sept. 5. Paving, Bisbee, Ariz. ..... Aug. 24
Sept. 5. Paving, Columbus, O. ..... Aug. 24
Sept. 5. Macadam road, Wilmington, Del. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 6. Roads, Providence, R. I. ..... Aug. 24
Sept. 6. Paving, Cincinnati, O. ..... Aug. 24
Sept. 7. Paving, Iola, Kan. ..... Aug. 24
Sept. 11. Macadamizing, Janesville, Wis. ..... Aug. 17
Sept. 15. Road, Cincinnati, O. ..... Aug. 24
No date. Granolithic walks, Pulaski, Va. ..... Aug. 24
No date. Paving, Chicago, Ill. ..... Aug. 17
Advertised, Eng. News, Aug. 17.

MISCELLANEOUS CONTRACTS.

Aug. 24. Retaining wall, Mount Holly, N. J. ..... Aug. 17
Aug. 24. Sea wall, Boston, Mass. ..... Aug. 17
Aug. 24. Dredging, Boston, Mass. ..... Aug. 17
Aug. 24. Breakwater, Boston, Mass. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Aug. 25. Laundry machines, pipe, etc., Wash., D. C. ..... July 27
Aug. 25. Concrete dam, Greenwich, Conn. ..... Aug. 17
Advertised, Eng. News, Aug. 17.
Aug. 26. Coaling plant, Philippines ..... May 4
Aug. 26. Dredging, New London, Conn. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Aug. 31.
Aug. 26. Scale, Portsmouth, N. H. ..... Aug. 10
Aug. 26. Track-laying, etc., Galveston, Harrisburg & San Antonio ..... Aug. 24
Aug. 26. Canal, Spearfish, S. Dak. ..... Aug. 24
Aug. 27. Filling and grading, Key West, Fla. ..... July 20
Aug. 28. Canal, Montrose, Colo. ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Aug. 28. Sanitary fixtures, Washington, D. C. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Aug. 31.
Aug. 28. Portland cement, Prescott, Ariz. ..... Aug. 24
Aug. 28. Levee, Sacramento, Cal. ..... Aug. 24
Aug. 29. Wharf repairs, Portland, Ore. ..... Aug. 17
Aug. 29. Bonds, Marksville, La. ..... July 27
Advertised, Eng. News, July 27.
Aug. 29. Forges, etc., Washington, D. C. ..... July 27
Aug. 30. Breakwater extension, Newport, R. I. ..... Aug. 30
Advertised, Eng. News, Aug. 3 to Aug. 31.
Aug. 31. Dredging, Portland, Me. ..... Aug. 5
Advertised, Eng. News, Aug. 3 to Aug. 31.
Aug. 31. Lock and dam, Nashville, Tenn. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Aug. 31.
Sept. 1. Dredging, etc., New York, N. Y. ..... Aug. 24
Sept. 1. Steel manufacture, New South Wales. ..... Mar. 23
Advertised, Eng. News, Mar. 30 to June 29.
Sept. 1. Bonds, Houston, Miss. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to 31.
Sept. 1. Dredging, Columbus, O. ..... Aug. 17
Sept. 1. Garbage disposal, Chicago, Ill. ..... Aug. 17
Sept. 2. Cement, Austria ..... Aug. 17
Sept. 2. Chimney, Erie, Pa. ..... Aug. 17
Sept. 3. Brush mattress, Sacramento, Cal. ..... Aug. 24
Sept. 4. Retaining wall, Cincinnati, O. ..... Aug. 24
Sept. 4. Drainage work, Prophetstown, Ill. ..... Aug. 24
Sept. 5. Drainage ditches, Fort Dodge, Ia. ..... Aug. 24
Sept. 9. Pier, Boston, Mass. ..... Aug. 24
Sept. 9. Ditch, Forrest City, Ark. ..... Aug. 24
Sept. 5. Cement, Billings, Mont. ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 7.
Sept. 5. Dredging, Mobile, Ala. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 7.
Sept. 5. Dredging, San Francisco, Cal. ..... Aug. 10
Sept. 5. Drainage work, Miami, Fla. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Sept. 5. Dam, Billings, Mont. ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Sept. 6. Tunnel, Billings, Mont. ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Sept. 6. Breakwater extension, Grand Rapids, Mich. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 7.
Sept. 7. Dredging, New York, N. Y. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 7.
Sept. 7. Laundry (Mfg. Plants), Toledo, O. ..... Aug. 17
Sept. 8. Dredging pumps, etc., St. Louis, Mo. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 7.
Sept. 9. Derrick, Washington, D. C. ..... Aug. 10
Sept. 9. Concrete work, Florida East Coast Ry. ..... July 27
Advertised, Eng. News, July 27 and Aug. 31.
Sept. 9. Dredging, Charleston, S. C. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Aug. 31.
Sept. 9. Pier, Boston, Mass. ..... Aug. 17
Sept. 10. Fence, Fort Wadsworth, N. Y. ..... Aug. 17
Sept. 11. Ditch work, Des Moines, Ia. ..... Aug. 24
Sept. 12. Portland cement, Washington, D. C. ..... Aug. 24
Sept. 12. Dredging, New York, N. Y. ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 14.
Sept. 12. Machine tools, Washington, D. C. ..... Aug. 10
Sept. 12. Crane, Washington, D. C. ..... Aug. 10
Sept. 13. Lathe, machine tools, etc., Wash., D. C. ..... Aug. 17
Sept. 14. Light-house, Tompkinsville, N. Y. ..... Aug. 10
Advertised, Eng. News, Aug. 10 and 17.
Sept. 15. Canal excavation, Chattanooga, Tenn. ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 14.
Sept. 16. Hoist, Washington, D. C. ..... Aug. 10
Sept. 19. Tools, boilers, etc., Washington, D. C. ..... Aug. 24
Sept. 20. Dredges, Chile ..... Aug. 24
Sept. 20. Pier work, Grand Rapids, Mich. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Sept. 28.
Sept. 22. Steel trestles, Wheeling, W. Va. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Sept. 28.
Sept. 25. Pier, India ..... Aug. 24
Sept. 26. Tunnel, Montrose, Colo. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 21.
Oct. 3. Machine tools, Washington, D. C. ..... Aug. 24
Oct. 10. Harbor works, Egypt ..... Aug. 17
Oct. 17. Earth embankment, Roswell, N. Mex. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Oct. 5.
Nov. 1. Railroads, Philippines ..... June 15
Nov. 9. Wharf, etc., Havana, Cuba ..... July 27
Jan. 1. Statue, Indianapolis, Ind. ..... July 20
Advertised, Eng. News, July 20.
Jan. 2. Railroad, Chile ..... Aug. 24
No date. Excavation, Indianapolis, Ind. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ALLEGHENY & WESTERN.—Survey is reported to have been run for this company from Belva, W. Va., through Nicholas, Monroe, Fayette and Allegheny Counties. W. A. MacCorkle, Charleston, W. Va., is Pres.

BEAUMONT & GREAT NORTHERN.—Contract for grading first 20 miles of this railway has been let to LAMB & HANSEN, Trinity, Tex. The line will extend from Trinity to Beaumont, Tex. The contractors have advertised for sub-bids.

CHICAGO, BURLINGTON & QUINCY.—M. C. CONNORS, of Kaukauna, Wis., has been awarded contract for 500,000 yds. of grading. Mr. Connors has sub-let all steam shovel excavation work to PHALEN & SHIRLEY, of Omaha, Neb.

CANADIAN NORTHERN.—The main line is being extended from Humboldt to Edmonton, Alberta, 400 miles; and the northern branch from Melfort to Prince Albert, 61 miles. Other lines under construction are from Hartney, Man., to Virden; from Ridgeville to Vassar; the Springfield branch east from Winnipeg, and the Thunder Hill branch southwest from Swan River. The company also has authority from the government to build a number of extensions in the west. A new union station is to be built at Winnipeg.

CANADIAN PACIFIC.—This railway has 7683/4 miles of main line under construction, as follows: Toronto to Sudbury, Ont., 225.8; Guelph to Goderich, Ont., 78.5; Brookdale to Varcoe, Man., 18.1; Wolseley to Reston, Man., 123; Pheasant Hills branch, Assin., 71.3; Wetaskiwin branch, Alta., 50.5; Lacombe branch, Alta., 50; Yahk to International Boundary, B. C., 8.2; Nicola Valley, B. C., 143. W. F. Tye, Montreal, Que., is Ch. Engr.

CEDAR CREEK.—C. M. Johnston, one of the attorneys of the Pittsburg Coal Co.; W. H. Brunt, its Asst. Treas.; W. L. Miller, A. L. Bowen, F. E. Mulkie, Jr., and George A. Hopper, of Pittsburg, Pa., have chartered the Cedar Creek Ry., with $60,000 capital. The line will extend from Downer's Run branch of the Pittsburg & Lake Erie in Fayette County to Cedar Creek station on the Pittsburg, McKeesport & Youghiogheny Ry.

CLEVELAND & PITTSBURG (Pennsylvania System).—We are informed that the THOMAS McNALLY CO., of Pittsburg, Pa., has been awarded the contract for the removal of Alikenna cut, also the construction of a large arch culvert at the same place. Company is now on the work and preparing to push same to a rapid completion. The work is five miles east of Steubenville, O.

DENVER, ENID & GULF.—It is planned to have this railway built into Cherokee, Kan., by the end of October. From Cherokee an extension will be built. Edward L. Peckham, Gen. Mgr., at Enid, Okla., has stated that "it has not been definitely decided whether company would build from Cherokee to Kiowa, Medicine Lodge, Pratt, Great Bend and Russell, or to Alva, Pratt, Larned and Hays City, but that corps of engineers is now in the field, and the line would soon be located, and it was the intention to rapidly push the construction up through Kansas into Nebraska."

DENVER, KANSAS & GULF.—Application for a charter has been made by this company. Capital stock is $2,000,000. The new railroad will connect with the Burlington system, either at Osonoque, Kan., or Republican Junction, Neb. It will run south from one of these places to Hays City, Kan., and then through Great Bend or Larned to Pratt and out of the state of Kiowa. The incorporators of the company are: Breckenridge Jones, of St. Louis; Edward L. Peckham, of Blackwell, Okla.; J. J. Cunningham, of Enid, Okla.; C. J. Rhoads, of Medicine Lodge, Kan.; W. C. Robison, of Winfield, Kan.; C. Q. Chandler, of Medicine Lodge; Milton Brown, of Topeka, Kan. The purposes of the company as set forth in the application will permit the new company to run feeders through nearly every county in the wheat belt. The estimated length of the main line is 300 miles.

GULF & NORTHWESTERN.—Construction probably will begin soon. This railway will run from Waco, Tex., via Meridian, Tex., to Thurber. It will be about 100 miles long. N. R. Morgan, Meridian, is Secy.

GAINESVILLE & GULF.—F. M. Simonton, of Tampa, Fla.; A. B. Stuckey and B. W. Blunt, of Ocala, Fla., have purchased this road which, according to local report, is to be extended from Fairfield, Fla., to Tampa. Following the sale and transfer the new company was organized, with S. F. Parrott, of Macon, Ga., Pres.; A. P. Stuckey, first vice-Pres.; B. W. Blunt, second vice-Pres.; H. E. Taylor, Treas.; L. E. Barker, Supt., and W. S. Banks, Auditor.

GALVESTON, HARRISBURG & SAN ANTONIO.—Bids are asked by W. G. Van Vleck, second vice-Pres. and Mgr., Houston, Tex., until noon, Aug. 26 for graduation and tracklaying of about 47 miles on the extension from Stockdale to Cuero, Tex.

GRAND TRUNK.—The line is now being double-tracked between Kingscourt Junction and Komoka, Ont., 27½ miles. When that is completed there will be a double-track line between Montreal and Chicago with the exception of three small stretches aggregating 23½ miles. J. Hobson, Montreal, Que., is Ch. Engr.

GRAND TRUNK PACIFIC.—The Grand Trunk Railroad is receiving bids for the construction of 275 miles of main line of the Grand Trunk Pacific road, extending west from Portage la Prairie, Man. Noted on Aug. 3.

GRAND VALLEY, COLORADO RIVER & SOUTH PACIFIC.—This company has been incorporated by Henry Barna, of 332½ Marion St., Brooklyn, N. Y.; Gizella K. M. Barna, of 332½ Marion St., Brooklyn; Maurice Politzer, of 117 East 101st St., New York City; Frederick Gabriel, of Flushing Ave., Brooklyn; and Catharine Gabriel, of Flushing Ave., Brooklyn. Company will build a standard-gage line from Grand Junction, Colo., via Richardson and Moab, Utah, to a point on Pacific coast. The counties through which this railroad will be run are: Mesa County, Colo.; Grand and San Juan Counties, Utah; Coconino, Mohave and Yuma Counties, Ariz.; and the Republic of Mexico. The estimated length of this railroad is 1,200 miles, more or less; and the estimated cost of this railroad is $50,000,000.

LOUISIANA MIDLAND.—Charter has been applied for. Company will build a railway, about 200 miles long, from Magnolia, Ark., to Crowley, La. George W. Hunter, of St. Louis, Mo., is Pres.; Hugh C. Brown, of Ruston, La., vice-Pres.; W. H. Crouch, of St. Louis, Secy. W. E. Hemingway, of Little Rock, Ark., and Harry F. Hunter, of St. Louis, Mo., also are interested. George W. Hunter is Pres. and Treas. of the Arkansas Southern Railroad.

MORGANFIELD & ATLANTA.—The MISSOURI CONSTRUCTION CO. announces that it will sublet 26 miles of work on the Morganfield & Atlanta Railway between Morganfield and Providence, Ky. The company may be addressed at either Cape Girardeau, Mo., or Providence, Ky. Noted last week.

NEW YORK CENTRAL & HUDSON RIVER.—The Brooklyn "Eagle" states that the following work is planned to be under way by January, 1906: (1) Rebuilding of Grand Central station, change of motive power from steam to electricity and electrification of the suburban lines New York to White Plains. Present status: Work proceeding under rapid headway. About $7,000,000 of proposed expenditure already spent. Total cost about $20,000,000. (2) Tunnel under Detroit River, between Detroit, Michigan and Windsor, Ont., connecting Michigan Central and Canada Southern Rys. Present status: Tunnel Company organized and engineering commission named. Total cost about $10,000,000. (3) Additional terminals in Chicago and establishment of belt line connections practically with all the great corporations and railroads. Present status: Work going forward at a lively rate. Total cost about $10,000,000. (4) Rehabilitation of Cleveland, Cincinnati, Chicago and St. Louis Ry., including the double-tracking of most of the Cairo Division and the replacing of all wooden bridges with steel so that the coal fields of southern Illinois may be developed. Present status: Work amounting to more than $2,000,000 well under way. Total cost, about $4,000,000. (5) Construction of 100 miles of new road—the Danville cut-off from Danville, Ill., to Indiana Harbor, Ind.—to be paid for by the Lake Shore and Michigan Central. Present status: Contracts let and work under way. Total cost, about $3,000,000. (6) Development of Pennsylvania coal fields through the Beech Creek Extension Railroad and subsidiaries. Present status: Plans made for a bond issue to meet cost. Total cost, about $5,000,000. (7) Electrification of part of Lake Shore and new station at Cleveland. Present status: Work under way. Total cost, about $3,000,000. (8) Construction of 125 steel bridges along West Shore so that road may carry the heavy freight traffic intended to be sent over it. Present status: Work going forward. Total cost, about $1,000,000. (9) Up-State extensions of electric trolley lines. Present status: Extensions being made. Total cost, about $4,000,000.

NEW YORK, NEW HAVEN & HARTFORD.—Contract has been awarded to T. STUART & SON, of Newton, Mass., for building the new West Roxbury and Needham extension of the Woonsocket branch. Noted in Engineering News on June 29.

SOUTHERN PACIFIC.—This company will build an extension from Drain, Ore., to Marshfield. Other improvements will aggregate in cost $10,000,000.

TENNESSEE CENTRAL.—Improvements are under consideration, including grade reductions. L. F. Lonnbladh is Ch. Engr., at Nashville, Tenn.

TRINITY & BRAZOS VALLEY.—Contract has been awarded by this company to JOHNSON BROS., of St. Elmo, Ill., for building about 200 miles of its railway from Mexia, Tex., to Houston. Michael Sweeney, Cleburne, Tex., is Gen. Mgr.

WARREN, JOHNSVILLE & SALINE RIVER.—This company has been chartered in Arkansas. The company proposes to build a standard-gage road from Warren, Ark., in a southerly direction in Bradley County, a distance of about 25 miles, with telegraph and telephone lines in connection therewith. Capital stock is $50,000. The officers are: S. H. Fullerton, Pres., St. Louis, Mo.; C. J. Millard, Vice-Pres., St. Louis; Frank Goepel, Treas., St. Louis; C. L. Robinson, Secy., St. Louis; J. F. Forsyth, Gen. Mgr., at Warren, Ark.

WEST SHORE (New York Central & Hudson River Ry.)—The GENERAL ELECTRIC CO., of Schenectady, N. Y., has contract for electrification of the West Shore road from Utica to Syracuse. Estimated cost, $200,000.

WEST VIRGINIA MIDLAND.—Company has been chartered to construct and operate a railroad between Sutton, Webster Springs and Marlinton. Capital, $500,000. Incorporators: John T. McGraw, of Grafton; Geo. A. Hechner, of Palmer; Jake Fisher, of Sutton; Charles P. Dorr and J. W. Woodell, of Webster Springs; and C. D. Elliott, of Parkersburg.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

AUGUSTA, ME.—The Augusta & Waterville Railway Co., with a capital of $100,000, has been incorporated and the articles have been approved by the Maine Railroad Commissioners. It plans to operate an electric railway between Augusta and Waterville, Me., via Vassalboro and Winslow, a distance of 20 miles. The directors are: Thos. J. Lynch, Fred G. Kinsman, Charles R. Whitten, Henry D. Staples, and Charles A. Milliken, all of Augusta, Me. Some of these directors are also directors of the Augusta, Winthrop & Gardner Railway Co. which now operates an electric railway between Augusta and Winthrop and between Augusta and Gardner, Me., with 27½ miles of track.

TORRINGTON, CONN.—We are informed by Morris C. Webster, Pres. of the Hartford & Torrington Tramway Co., that survey was made four years ago for this railway. The line will be 12 miles long, running from Plymouth, via Harwinton, to Torrington. Capital is subscribed and partly paid in. Right of way is mostly secured. Nothing has been done toward construction. Mr. Webster may be addressed at New Britain, Conn.

FLUSHING, N. Y.—At recent meeting of citizens it was determined upon to secure $75,000 in subscriptions for an electric railway to connect Flushing and Whitestone, Long Island. The promoters are I. J. Merritt, of the Merritt-Chapman Wrecking Company; F. A. Schermerhorn, a summer resident; Charles A. Senss, another summer resident; Dr. G. A. Harrison, and G. Howard Leavitt.

UTICA, N. Y.—The New York Central & Hudson River R. R. Co. has awarded contract for the car equipment and the equipment of the sub-stations between Utica and Syracuse on the West Shore Ry., to the GENERAL ELECTRIC COMPANY, of Schenectady, at an amount approximating $200,000. The work of electrification will be commenced within two weeks. There will be four electrical sub-stations, located as follows: Clark Mills, about two miles east of Vernon, at Canaseraga and at Manlius Center. The movement of the trains will be controlled by block signals and there will be interlocking switches and signals at all points where switching will be necessary.

SYRACUSE, N. Y.—The Syracuse Northern Tract on Co. has been incorporated, with $1,000,000 capital. Willard R. Kimball is the promoter. The incorporators are H. W. Plumb, W. K. Niver, W. B. Burns, George D. Chapman, W. R. Kimball, Frank L. Barnes, George T. Skiff, Louis L. Waters, Frederick T. Pierson, Charles A. Bridgman, George C. Towle and Daniel Balsley, all residents of Syracuse; W. M. Brown and Charles N. Watson, of New Castle, Pa.; and Harvey Farrington, Consult. Engr., 45 Broadway.

NEW YORK, N. Y.—We are advised that JAMES P. McDONALD, 42 Broadway, New York, has been awarded the general contract by the New York, Westchester and Boston Railway Co. for graduation and masonry of as much of the line as lies within the city limits, about 4¼ miles in all. The contract is for about $1,200,000. This contract, it is said, supersedes the two temporary contracts held by John F. Shields and another contractor, both of whom have been at work on the road in the Bronx since the third of June. The new road will extend from the Harlem River, or some junction with the subway or elevated lines further north, to Mount Vernon, from where one branch will extend to White Plains and the other will pass along the Sound, reaching New Rochelle, Larchmont, Mamaroneck, Harrison and either Rye or Portchester.

ELIZABETH, N. J.—Plans are in preparation for building the extension of the New York & Philadelphia Ry. Co.'s line from New Brunswick to Elizabeth. Richard I. D. Ashbridge is Ch. Engr., Waldron Bldg., Elizabeth.

JACKSON, GA.—C. O. Beauchamp is reported as securing right-of-way for the proposed Jackson & Indian Spring Electric Railway. It will be about six miles long.

BRUNSWICK, GA.—J. H. Neff, of Jacksonville, Fla., has been granted a street car franchise. Mr. Neff may build an electric light and water-works plant.

ST. AUGUSTINE, FLA.—Goold T. Butler, C. E., is running survey in this city for a railway to be about 12 miles long, for the St. John Power Co.

JACKSON, MISS.—The Jackson Electric Ry., Light & Power Co. will extend its line in this city. S. T. Carnes is Secy., at Memphis, Tenn.; John Lorenz is Gen. Mgr., at Jackson.

NEW ORLEANS, LA.—THE ORLEANS ENGINEERING CO. has contract for building and equipping electric railway between the Navy Yard and Gretna. John Brondon, of the Orleans Co., is in charge.

NASHVILLE, TENN.—We are informed that location surveys are being run between Pensacola, Fla., to Montgomery, Ala.; also between Montgomery and Birmingham, for the Nashville & Huntsville Ry. Estimates will be ready for contractors soon. The company will use 70-lb. steel rails; steel bridges will be stone balanced; maximum grade will be about 20 ft. to the mile. Noted fully on July 13 and July 27.

LIMA, O.—The Lima Eastern Railway Co., of Lima, with $100,000 capital stock, has been incorporated by F. C. Olsen, C. H. Chappell, A. A. Shafter, C. D. Shobe, R. A. Kean, N. D. Pound, F. E. Baxter and A. L. Freet, of Lima. Gasoline motive power will be used.

YOUNGSTOWN, O.—Financial backing is said to have been secured for construction of the Youngstown & Ohio River Electric Ry. Max. P. Goodman is the promoter. Associated with him are Joseph R. Nutt, George Stanley and Will Christy, of Cleveland. The line will extend from Youngstown to East Liverpool, 37 miles. Surveys were made three years ago. T. W. Hill, Cashier of the Cleveland National Bank, is Pres. Charles Thrasher is Gen. Mgr. Warren M. Bicknell, Pres. Lake Shore Electric Ry., at Cleveland, is a director.

TOLEDO, O.—The Toledo & Southren Ry. will be incorporated by Carrie M. James, Henry J. Rohrs, William E. Brown, Herbert Davies and F. E. Walker. Capital stock, $10,000. It is planned to build between Toledo and Columbus, passing through Lucas, Ottawa, Sandusky, Seneca, Wyandotte, Crawford, Marion, Delaware and Franklin Counties.

EVANSVILLE, IND.—An election on the question of a subsidy to the Evansville & Eastern Electric Ry. Co., which purposes to build a road from Evansville to Rockport, Ind., has been ordered in [illegible] townships, in Spencer County, Ohio and Perry [illegible] 21. The total subsidy asked is $68,000.

LEAVENWORTH, IND.—The Louisville & Southern Indiana Traction Co. may build an extension to Leavenworth. E. E. Dalton, New Albany, Ind., is Pres. W. Wade, New Albany, is vice-Pres. and Gen. Mgr. Albany to Elizabeth is 8 miles.

EAST ST. LOUIS, ILL.—The Ozark Mountain Electric Railway Co. has asked the city council on Aug. 28 for a franchise to construct, operate and maintain electric railway on the several streets named in the same company, it is said, would build an electric road from East St. Louis to Belleville, Ill. E. W. Hartman, East St. Louis, Ill., is Pres. of the company.

KANSAS CITY, KANSAS.—[illegible] KINS has contract for [illegible] between Kansas City and [illegible] Strang, a railroad contractor, [illegible] is the promoter.

KANSAS CITY, MO.—[illegible] CC., of Chicago, has [illegible] building an electric railway [illegible] ville, Independence and [illegible] the Union Traction Co. W. [illegible] Bldg., Kansas City, is Engr. [illegible] key, of Brazil, Ind., is Pres.

TERRELL, TEX.—J. A. [illegible] ago, is promoting an interurban [illegible] Tyler and Dallas, via Terrell, [illegible] being run.

FORT WORTH, TEX.—G. [illegible] Pres. Northern Texas Traction [illegible] field Bldg., Cleveland, O., has [illegible] this company will spend $2,000,000 [illegible] proving its system in Fort Worth. F. M. Haines is Gen. Mgr.

SEATTLE, WASH.—The Seattle Electric Ry. Co. will build two extensions, at cost of $150,000. General Manager H. [illegible] Grant has announced that money for construction has been arranged for.

WOODLAND, CAL.—J. Reith, Jr., has been granted franchise to operate an electric railway in this city. Final hearing will be given on Sept. 12.

SACRAMENTO, CAL.—The Central California Traction Co. has been incorporated to build railroads, acquire warehouses, operate tugs and ferryboats, operate flumes and construct aqueducts and bridges. Capital is $2,500,000, of which $300,000 is subscribed. H. and M. Fleishhacker, of San Francisco; Alden Anderson, of Suisun; H. H. Griffith, of Stockton; John Treadwell, of Oakland; Fred M. West, of Stockton; David F. Walker, of San Mateo; and H. H. Ferns, F. W. Smith, W. J. Bartnett and J. Dalzell Brown, of San Francisco, are the incorporators. The line will run from Sacramento to Lodi, to Stockton and to Modesto, about 90 miles. Branches will be built. Total length will be about 125 miles.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

HOLYOKE, MASS.—Contract for power plant building for the Holyoke Water-Power Co. was awarded to CASPAR RANGER, of Holyoke. Contract for brick chimney, 175 ft. high, to DENNIS LANDERS; water wheels, to W. & J. JOLLY, of Holyoke. Noted on Aug. 10.

NEW BOSTON, MASS.—H. T. Keith, C. E., of Mount Washington, Mass., has made survey for power development project on Framington River. It is said that about $100,000 has been subscribed by Boston and Hartford capitalists for completion of work. A dam, 40 ft. high, will be built four miles from New Boston.

NORWICH, CONN.—The Gas and Electric Commissioners, Judge John M. Thayer, Wm. Bogue and John McWilliams, have decided upon improvements at city plant to cost about $30,000. Francis S. Thayer is Supt.

LAKE PLACID, N. Y.—We are informed that bids were received on August 14 for masonry dam, power station and foundations, equipment, etc., as advertised in Engineering News on Aug. 3. F. VAUGN, of Frankfort, N. Y., was awarded general construction contract, and the WESTINGHOUSE ELECTRIC & MFG. CO., of Pittsburg, contract for electrical equipment. Byron R. Brewster, Village Pres. Cost, $34,000.

NEW YORK, N. Y.—Bids are asked until 2 p. m., August 31, for electrical conductors and for placing electrical conductors underground for the Police Department. William McAdoo, Comr.

ELIZABETHPORT, N. J.—MILLIKEN BROS., 11 Broadway, New York City, were awarded general contract for erecting a $60,000 power house at Elizabethport for the Singer Mfg. Co., 149 Broadway, New York. D. B. Provost, of Elizabeth, is Arch.

PERTH AMBOY, N. J.—We are informed that the Citizens' Electric Light & Power Co., of Perth Amboy, is taking steps to secure a franchise. Franchise has passed first reading of City Council. Runyon & Carey, 122 Market St., Newark, are Consult. Engrs.

PHILADELPHIA, PA.—The bid of the Philadelphia Electric Co. was the only one submitted for electric lighting of the city streets for 1906.

YORK, PA.—The McCall's Ferry Power Co. has filed a $10,000,000 mortgage. The Knickerbocker Trust Co., of New York City, is trustee for bondholders. The plant will be built on the Susquehanna River about 12 miles from York. A dam will be constructed across the river at this place. William Barclay Parsons is Chn. of company's engineering board. Cary T. Hutchinson, 60 Wall St., New York, is Consult. Engr. Previously noted.

MIDDLEBURG, PA.—We are informed that bids "will be received at the office of Geo. W. Wagenseller, Secy., Middlecreek Electric Co., in Middleburg, Pa., from Aug. 21st to noon of Sept. 1, 1906, for the construction of a complete water power electric plant, 1,000

HP., on Middlecreek and Penns creek, two miles south of Selinsgrove, Pa. Bids can be made on part or all of the work. The requirements are a solid concrete dam, 17 to 20 ft. high about 300 ft. long; dig a tunnel and flume about 1,200 ft. through a mountain, provide a power house, two units with four wheels—direct connected generators, auxiliary engine and boiler and complete equipment with 25 or 30 miles line construction, to furnish light, heat and power to Selinsgrove, Sunbury and Northumberland. Plans and specifications can be seen after Aug. 17, at the office of the Secretary in Middleburg, Pa., or at the office of the designing engineer, F. W. Darlington, Real Estate Trust Bldg., Philadelphia, Pa. Bidders who prefer to examine the site should inquire for E. F. Shatzer, Hydraulic Engr., now on the site, two miles south of Selinsgrove, Pa."

PHILADELPHIA, PA.—ARMSTRONG & LATTA, Land Title Bldg., have been awarded contract for a power house and machine shop for the Pennsylvania Ry. Co.

GRAYSON, VA.—The Grayson Electrical Corporation will build an electric light plant in this city to furnish light to nearby cities. Guy O. Grayson is Pres.; W. C. Grayson, Vice-Pres.; J. H. Grayson is Secy.

FAYETTEVILLE, N. C.—We are advised that bids will be received about September 15 or October 1 for improvements to city electric plant. Estimated cost, $20,000. It will have capacity of 56 2,000-c. p. arc lights and 1,800 16 to 50 c. p. incandescent lights. E. W. Trafford, Richmond, Va., is Designing Engr.; W. Thomas Jones is Supt. city plant. Plant is operated by steam.

LAGRANGE, GA.—Bids are asked until noon, Sept. 30, by the Electric Light Commission for all the machinery and construction work and building for a complete electric light plant. Ludwig & Co., 513 Empire Bldg., Atlanta, Ga., are Engrs. S. H. Truitt, Chn. Com., Lagrange, Ga. Roy Dallas is Cy. Engr.

JACKSON, MISS.—It is reported that the Jackson Electric Ry., Light & Power Co. will erect a $150,000 power house. John Lorenz is Gen. Mgr.

KNOXVILLE, TENN.—We are informed that the Knoxville Power Co. is now being financed and that it is planned to have this accomplished by October 1. Company will build a power plant on Little Tennessee River, 32 miles south of Knoxville. James Blake Cahoon, 27 William St., New York, is Designing Engr. Estimated cost, $2,700,000. Noted on July 20. A directors' meeting will be held on August 24 and 25. Charles H. Treat and George H. Sullivan are a committee on plans.

SOMERSET, KY.—We are informed that Dr. G. W. Hunter has been awarded franchise for street car line, water-works and electric plant. Advertised in Engineering News on Aug. 3. Bids will be received about Sept. 15 for building the electric plant. Estimated cost, $48,000.

BELLEFONTAINE, O.—We are informed that bids were received on Aug. 18 for improving city electric plant. Contracts were not awarded as bids exceeded $50,000 appropriation. Probable cost of new work is $45,000. Albert M. Allen, of Cleveland, is Consult. Engr.

ZANESVILLE, O.—H. H. Sturtevant Co. has awarded contract for electric power plant to C. O. VINSEL of Zanesville. Cost, $10,000. Henry C. Meyer is Arch.

PLYMOUTH, O.—See under Water-works.

PERU, IND.—The Wabash Valley Gas Co. will erect a $125,000 gas generating plant here, it is reported. Samuel Murdock is Pres.

PONTIAC, MICH.—We are informed that contract for water-wheel, generators, switchboard and poles are let, but that other contracts for a $75,000 power plant will be let within a month by MacKean, Ball & Co., First National Bank Bldg., Chicago, the Engrs. The plant is to be built at Amy for the Clinton River Power Co., as noted on July 27. Plant will be operated by water power and will have capacity of 150 2,000 c. p. arc lights and 5,000 16-c. p. incandescent lights.

MORRISON, ILL.—The Morrison Electric Light Co. has awarded contract to FRANK S. MOSES CO., of Trenton, N. J., for a gas plant. Estimated cost, $50,000. H. S. Green is Mgr.

BURLINGTON, WIS.—Bids are asked for building an electric light plant until Sept. 5. There will be required one automatic medium speed engine of 100 HP., with shaft governor; one tubular boiler, 66 × 16 ft.; one 50 KW. alternator, engine type; 50 arc lights, switchboard, pole line, etc. Address the City Clerk.

ST. PAUL, MINN.—The St. Paul Gas Light Co. has awarded the contract for its new gas holder to the TRACEY MFG. CO., of Cincinnati, at $40,000. It will be built entirely of steel, 130 ft. high and 96 ft. in diameter. Paul Doty is Gen. Mgr.

ST. LOUIS, MO.—The Board of Public Improvements will receive bids on August 30 for lighting public buildings in district north of Washington Ave. and in district south of this street.

ST. JOSEPH, MO.—K. M. Mitchell, Gen. Mgr. St. Joseph Gas Co., has announced that company plans to spend $200,000 in improving its mains and system.

GILLIAM, MO.—The Gilliam Electric Light & Power Co., capital $5,000, has been chartered. Incorporators: David G. Burton, J. E. Kirk, A. W. Dels, E. J. Dunlap, M. D. Kerr, H. C. Dels and others.

ALBUQUERQUE, N. MEX.—C. H. Pattison and N. D. Pattison, of Kansas City, Mo.; W. L. Pattison, Gardner, Kan.; and J. F. Luthy, of Albuquerque, have incorporated the Union Gas & Traction Co., with capital of $500,000. Mr. Luthy is representative. Company plans to own, construct and operate gas, oil, electric and water-works plants and systems, to operate a system of pipe lines, wires, etc., for transportation of gas, oil, electricity and water, to own and develop clay, sand, cement and other lands and properties, to operate steam, electric and cable street cars or traction lines.

GILROY, CAL.—City has voted to issue $11,000 for electric lighting system.

LOS ANGELES, CAL.—At a recent meeting of the city council a report from the lighting committee was adopted recommending that the city clerk advertise for bids for municipal lighting under following terms: One year contract, not to exceed 2,000 lights; three year contract, not to exceed 2,500 lights; five year contract, not to exceed 3,000 lights.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

PITTSFIELD, MASS.—Bids are asked by Board Public Works until 2 p. m., Aug. 30, for building superstructure of steel girder bridge on Second St. Bids will also be received until same date for removing present Second St. bridge, the official advertisements for both pieces of work appearing in the Engineering News. Plans and specifications may be seen at office of Engineering News, 220 Broadway, New York.

BOSTON, MASS.—The Metropolitan Park Commission has awarded contract to construct the Boylston St. bridge to M. McDONOUGH, of Swampscott, at $25,464.

CONCORD, MASS.—The Massachusetts Highway Commission, 20 Pemberton Sq., Boston, has awarded contract for building steel arch bridge over Assabet River at this place to the GLOBE CONSTRUCTION CO., Old South Bldg., Boston, at $9,520. Bids were received Aug. 17.

BOSTON, MASS.—Bids for the construction of iron railing of new Cove St. bridge were opened Aug. 17, and taken under advisement. The bids were: James Russell Boiler Works Co., Boston, $5,485; N. A. Snow Iron Works, $6,282; P. J. Dinn & Co., $6,764; G. W. & F. Smith Iron Co., $6,770; Smith, Lovett & Co., $6,920; Wayne Iron Works, Philadelphia, Pa., $6,980.

NEW YORK, N. Y.—Commissioner Best, of the Department of Bridges, has awarded to the PENNSYLVANIA STEEL CO. the contract for steel superstructure of the new Manhattan bridge. This company was the lowest of five bidders, its bid being $7,284,000. A hearing will be held Sept. 6 before Judge Dowling to show cause why a permanent injunction should not be granted restraining the commissioner from carrying out any of the terms of contract which has just been awarded the Pennsylvania Steel Co.

FRANKLIN, PA.—We are informed that the THOMAS McNALLY CO., of Pittsburg, has secured the contract from the Lake Shore & Michigan Southern Railroad Co. for the construction of masonry for double track railroad bridge over Allegheny River near Franklin. It will consist of about 16,000 cu. yds. of masonry in place. Work will begin at once.

WEST CHESTER, PA.—County Commissioners awarded the contract for constructing steel superstructure for a new riveted steel truss span over Doe Run Creek in West Marlborough, to the NEW JERSEY BRIDGE CO., at $2,000.

BERWICK, PA.—It is stated that M. H. STEBBINS has been awarded the contract for substructure of bridge to be built between this place and Nescopeck. Cost, about $45,000.

MIFFLINVILLE, PA.—It has been unofficially announced that bids will soon be asked for building the new State St. bridge at this place, to cost about $40,000.

SALEM, N. J.—The Board of Freeholders awarded the contract for construction of an iron bridge over Alloways Creek, in Lower Alloways Creek Township, to the NEW JERSEY BRIDGE CO. for $10,200. Work will be commenced at once.

ANTIETAM, MD.—Bids are asked by Capt. A. W. Wuate master, U. S. A., Washington, D. C., until Sept. 8 for construction of stone bridges on the Antietam battlefield.

WASHINGTON, D. C.—Bids are asked by District Commissioners until noon, Sept. 16, for constructing concrete bridge on line of 16th St. extended, over Piney Branch. (Advertised, Engineering News.)

RICHMOND, VA.—We are informed that the cities of Manchester and Richmond are contemplating building a bridge across James River. W. E. Cutshaw, Cy. Engr., of Richmond.

MAIDEN, VA.—The Chesapeake & Ohio R. R. Co., it is reported, will build a bridge over the James River at this place. F. I. Cebell is Engr. M. of W., Richmond.

BEAUFORT, N. C.—The McLEAN CONTRACTING CO., of Baltimore, Md., has been awarded the contract for construction of two miles of trestle work between Morehead and Beaufort, on the Atlantic and North Carolina railroad. The work includes the construction of two drawbridges.

SPARTANBURG, S. C.—County Commissioners will receive bids until 11 a. m., Aug. 29, for the erection of a bridge over Pacolet River. F. C. West, Clk.

PENSACOLA, FLA.—Bids are asked by A. M. McMillan, County Clk., until Oct. 1 for construction of a steel bridge across Perdido River, near Muscogee.

BENTON, TENN.—The County Court has voted to construct six new bridges, at a cost of $40,000.

NASHVILLE, TENN.—It is stated that a bridge will be built over the Cumberland River at this place. Albert B. Tavel is Chn. Bridge Com.

LEXINGTON, KY.—We are informed that the contract for constructing bridge over Ayers Alley has been let to the CENTRAL STATES BRIDGE CO., of Indianapolis, Ind.

MARION, O.—County Commissioners have rejected all bids received Aug. 7 for the construction of new bridge at Newmans, and will readvertise for new bids. A full list of the bidders appeared in the last issue of the Engineering News.

ZANESVILLE, O.—Sealed proposals will be received by County Commissioners until 2 p. m., Aug. 29, for paving roadway and reconstructing the steel construction of Fifth St. bridge over the Muskingum River in Zanesville. L. E. Brelsford, County Audr.

DELAWARE, O.—Bids are asked by Board Public Service until Sept. 7 for constructing a bridge over Delaware River on Sandusky St. F. D. King, Clk.

NORWALK, O.—Bids are asked by County Commissioners until 11 a. m., Sept. 7, for repairing substructure and erecting new superstructure for bridge over Huron River, in Peru Township. J. H. Beattie, County Clk.

SHELBYVILLE, IND.—County Commissioners have awarded contract for the erection of a concrete bridge to the NATIONAL CONCRETE CO., of Indianapolis, their bid being $3,874.

EVANSVILLE, IND.—The County Commissioners announced that 28 bridges in the county have been washed away by the recent storm, entailing a loss of $25,000.

INDIANAPOLIS, IND.—It is reported that bids are asked by County Commissioners until 10 a. m., Aug. 29, for constructing culvert over ditch in Franklin Township and bridge over Swarm's branch, Lawrence Township.

LOGANSPORT, IND.—We are informed that the County Commissioners will sell five bridges on Aug. 26.

SPRINGFIELD, ILL.—Bids are asked by the Park Board until Sept. 4 for constructing two reinforced concrete bridges on pile foundations in Washington Park. Arthur Hay, Secy.-Engr.

CHICAGO, ILL.—We are informed that the Parker-Washington Co., of Chicago, was the lowest bidder, at $9,615, for flooring the bridge crossing main channel on the line of Western Ave.

CHICAGO, ILL.—The Commissioner Public Works has settled the dispute regarding the design to be used for North Ave. bridge, and decided upon the city type, awarding contracts respectively for superstructure and substructure to JACKSON & CORBETT, 59 Clark St., at $81,000, and ROEHMHELD & GALLERY, 138 Washington St., at $112,000.

DULUTH, MINN.—The PHELAN-DUCEY CO., of Duluth, have been awarded a subcontract by Drake & Stratton, of Duluth, for all timber and bridge work on the extension of the Duluth, Missabie & Northern railroad. The work to be done amounts to about $15,000.

O'NEILL, NEB.—Sealed proposals will be received by E. S. Gilmour, County Clk., until Sept. 8 for the erection of pile and stringer bridges in various sections of county.

MINOT, N. DAK.—The County Commissioners awarded contract Aug. 9 for building bridge across De Lacs Lake to the NORTHWESTERN BRIDGE CO., of Minneapolis, Minn., at $180,500.

NEOSHO, MO.—Bids are asked until Sept. 4 by John M. Sherwood, Bridge Comr., for erecting a two-span steel bridge with a total length of 148 ft. over Indian Creek Road.

VAN BUREN, ARK.—The Fort Smith & Van Buren Bridge & Traction Co., recently incorporated, has organized with Harry E. Kelley, of Fort Smith, Pres.; W. R. Abbott, vice-Pres.; and Geo. Sengel, Secy. Its proposed bridge will be built across the Arkansas River between Fort Smith and Van Buren, and is estimated to cost $250,000. The structure will accommodate railroad, wagon and foot traffic and a trolley railway. H. M. Byllesby & Co., New York Life Building, Chicago, Ill., are the engineers, and have charge of all purchases.

MUSKOGEE, I. T.—The Wagoner Bridge Co., which will erect bridges over Grand and Verdigris Rivers, has been organized, and an application filed for a charter. The company is capitalized at $10,000. J. W. Wallace is Pres.

LAWTON, OKLA.—Charles E. Gordon, Ch. U. S. Geological Survey, with headquarters at Lawton, will survey for 30 steel bridges which will be built in Comanche County. It is said the contracts will be let about Nov. 1.

WOODWARD, OKLA.—Bids are asked by County Commissioners until Aug. 28 for constructing three steel bridges near here. C. C. Hoag, County Clk.

TACOMA, WASH.—Bids are asked by County Commissioners until 11 a. m., Sept. 1, for construction of a framed trestle bridge 220 ft. in length to be built near Gig Harbor. I. M. Howell, County Audr.

WALLA WALLA, WASH.—The County Commissioners have rejected all bids for the construction of Lukenbill bridge across Touchet River, and have ordered the surveyor to draft plans and specifications for a less expensive bridge. The first ones provided for a bridge resting on piers, to cost about $4,000. The Commissioners expressed a desire for a bridge to be constructed on piling and which would cost less than $2,000.

ALBANY, ORE.—County Commissioners will receive bids until Sept. 8 for construction of a wagon bridge across Santiam River. B. M. Payne, County Clk.

COLUSA, CAL.—Bids are asked by Board of Supervisors until Sept. 6 for construction of two steel bridges across Stone Corral Creek.

SANTA ROSA, CAL.—A petition has been presented to the Council asking that a new bridge be constructed on site of Island bridge. Matter has been placed in hands of Chairman Wallace to have plans prepared.

MITCHELL, ONT.—It is reported that JOS. GOSSENN, of Levis, Que., has received the contract for construction of piers for the proposed new Intercolonial Railroad bridges at St. Leonard Junction and Mitchell. Cost, about $180,000.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

BOSTON, MASS.—The New England Granite Co., Exchange Bldg., were the lowest bidders for furnishing and delivering granite on site of the proposed Charlestown High School, Monument Sq., Charlestown District, Boston. Bids were received by School-House Commissioners, 120 Boylston St., Aug. 16. Price, $58,000.

NEW HAVEN, CONN.—Bids are asked by Board of Fire Commissioners, S. J. Metzger, Secy., until 8 p. m., Aug. 31 for the mason work, carpenters' and joiners' work, plumbing and heating required in the erection of a fire engine house on Dixwell Ave. Brown & Von Beren, Archs., 865 Chapel St., this city.

NEW YORK, N. Y.—Bids will be received by Robt. Watchorn, Comr. Immigration, Ellis Island, N. Y., until 2:30 p. m., Aug. 30, for construction of an extension to present hospital building at Ellis Island.

SARATOGA SPRINGS, N. Y.—We are informed that the HUDSON VALLEY CONSTRUCTION CO., of Troy, has been awarded the entire construction contract for additions, alterations, etc., to State Armory at Saratoga Springs. The work involves demolishing of present drill hall, extending it about 20 ft. and placing entire new drill hall on pile foundations. Cost, $40,000.

NEW YORK, N. Y.—The Department of Parks will take figures soon on the $1,250,000 addition to Metropolitan Museum in Central Park. Plans have been completed by McKim, Mead & White, Archs., 160 Fifth Ave., for the buildings, and A. R. Wolff, 130 Fulton St., has completed plans for heating system, which includes boilers, motors, pumps, blowers and radiators. C. O. Mailloux, 76 William St., is Elec. Engr.

Moore & Landsiedel, Archs., 148th St. and Third Ave., have plans in progress for an apartment hotel to be erected at 137th St. and Riverside Drive, for the Transit Realty Co., care Bing & Bing, 198 Broadway. Brick and stone, 6 stories, 100 × 125 ft.

A. S. G. Taylor, Arch., will take figures soon on a new hotel to be erected at 213 West 57th St., for Mrs. H. T. Freeman, 205 West 57th St. Brick and stone, fireproof, 12 stories, 45 × 90 ft.

C. F. Semsch, Arch., 3604 Broadway, is taking figures on a residence to be erected at 215th St. and Boston Road, for C. Kahlen, 536 Pearl St. Cost, $50,000.

A. S. Gottlieb, Arch., 156 Fifth Ave., will consider very soon an extensive fire protection and sprinkler system for the 15-story loft building in course of erection for J. Rothschild, at 15th St. and Fifth Ave.

FRANCIS M. MADDEN, 1 Madison Ave., has been awarded general contract, on percentage, for an addition to Butterick Bldg., Spring and Macdougal Sts. Work will consist of adding two stories, 70 × 215 ft. Horgan & Slattery, 1 Madison Ave., are Archs.

C. B. J. Snyder, Arch., Park Ave. and 59th St., has filed plans for a schoolhouse to be erected for the city at Anthony Ave., near Tremont Ave., Bronx. Brick and stone, 5 stories, 85 × 90 ft. Cost, $115,000.

A. R. Wolff, 130 Fulton St., has been appointed steam engineer on the $500,000 office building to be erected at 176-8 Broadway for the Title Guarantee & Trust Co., 146 Broadway. Howell's & Stokes are Archs., 100 William St.; Thompson-Starrett Co., 49 Wall St., is the general contractor. Brick, stone and steel, 10 stories, 75 × 120 ft. Foundations are in course of construction.

Contract for a stable to be erected at Williamsbridge for R. H. Macy & Co., Broadway and 34th St., has been let to MURPHY CONSTRUCTION CO., 53 42d St. De Lemos & Cordes are Archs., 130 Fulton St. Brick, 1 story, 60 × 180 ft. Cost, $50,000.

Jas. R. Moore, 156 Fifth Ave., has been appointed electric engineer for alteration to loft building at 372-6 Pearl St., for E. Palmer, 374 Pearl St. F. Greene, 5 Beekman St., is Arch. Brick, 5 stories, 40 × 70 ft.

RIVERDALE, N. Y.—Reilly & Steinbeck, Archs., 481 Fifth Ave., New York, will take figures soon for a $50,000 residence to be erected at Riverdale on the Hudson, for Henry Boettg'e, Ansonia Hotel, New York.

BINGHAMTON, N. Y.—We are informed that State Commission in Lunacy has awarded bids for the construction, heating, lighting and plumbing of buildings for chronic insane at the Binghamton State Hospital to the following: MATTHIAS STIPP, Scranton, Pa., construction, $145,072; R. T. FORD, Rochester, heating, $13,665; R. T. FORD, plumbing, $17,900; GAYLORD & EITAPENC ELECTRICAL CONST. CO., Binghamton, electric light wiring and fixtures, $4,750; COMMERCIAL CONST. CO., New York, furnishing and installing feeder cables, $926.

ROME, N. Y.—At the regular meeting of Board of Managers of Rome State Custodial Asylum held Aug. 7 the following contracts were awarded for construction of a new ward building: The contract for building, brick, was awarded to WHALEN & SON, Ogdensburg, for $72,524; heating, BREEN BROS., Utica, $5,848; plumbing, BREEN BROS., $6,560; electric light wiring and fixtures for ward building, COMMERCIAL CONST. CO., New York, $2,257.

SONYEA, N. Y.—Sealed proposals will be received by Geo. L. Williams, Pres. Bd. Mgrs., Craig Colony for Epileptics., Sonyea, until 2 p. m., Sept. 5, for construction, heating, plumbing, electric light wiring and fixtures for six dormitories. G. L. Heins, State Arch., Albany.

SYRACUSE, N. Y.—The erection of the Y. M. C. A. building has been deferred until next spring. Gaggin & Gaggin, Archs., Syracuse. Cost, $200,000.

PRINCETON, N. J.—B. W. Morris, Jr., Arch., 5 West 31st St., New York, will consider lighting immediately for the $150,000 dormitories to be erected for Princeton University. The contract includes switchboards and electric wiring.

SUMMIT, N. J.—B. V. White, Arch., 9 Maiden Lane, New York, is taking bids on residence to be erected in Summit for J. R. Todd, of Summit. Brick and wood, 2½ stories, 50 × 90 ft. Cost, $100,000.

NEWARK, N. J.—A. Rothschild, Maine St., Newark, is taking figures on a residence for himself to be erected at 1001 Broad St., Newark. Brick, 2½ stories, 40 × 60 ft. A. S. Gottlieb is Arch., 156 Fifth Ave., New York.

SUMMIT, N. J.—W. A. Balch, Arch., 5 West 31st St., New York, is taking figures on a $50,000 residence to be erected at Summit, for Bert Underwood, of Summit. Brick, 2½ stories, 40 × 70 ft.

JERSEY CITY, N. J.—The Board of City Hospital Trustees of Jersey City are taking figures on the new city hospital buildings until Sept. 7. Clinton & Russell, Archs., 32

Nassau St., New York. Project is being figured in sections, as follows: Mason and carpenter work, heating and ventilating, plumbing, elevators, electrical work and power house.

PHILADELPHIA, PA.—CRAMP & CO., 1421 Filbert St., have been awarded the contract for four stores at 15th and Chestnut Sts., for the Fidelity Trust Co. Cost, $60,000.

HARRISBURG, PA.—J. A. Dempwolf, Arch., York, is preparing plans for an addition to the Pennsylvania State Hospital for Insane. Cost, $95,000.

McKEESPORT, PA.—The following bids were received Aug. 16 by Jas. Knox Taylor, Supv. Arch., Washington, D. C., for construction of U. S. post-office at McKeesport, as advertised in Engineering News: Mankin Const. Co., Richmond, Va., $81,357; J. G. Unkerfer & Co., Chillicothe, O., $74,845; King Lumber Co., Chillicothe, O., $82,476; Wm. Weber, Huntington, W. Va., $65,000; Constable Bros., Erie, Pa., $87,970; A. & S. Wilson Co., Pittsburg, $96,780; John Grant & Sons Cleveland, O., $87,949; Thos. Reilly, Philadelphia, $77,831; F. S. Stevenson Const. Co., Dallas, Tex., $72,900; Harris & Adams, Pittsburg, $88,196; Fissel & Wagner, New York, $89,800; Richardson & Burgess, Washington, D. C., $73,913.

SCRANTON, PA.—The contract for the erection of new club-house for Scranton Club has been let to S. SYKES & SON, 1235 Pennsylvania Ave. Cost, $100,000.

E. H. Davis, Arch., Connell Bldg., is preparing plans for an apartment store at Pittston Ave. and Beech St., for E. M. & G. M. Clark. Brick and steel, 2 stories, 50 × 125 ft.

TAMAQUA, PA.—Owen McGlynn, Arch., Simon Long Bldg., Wilkesbarre, has invited bids for a four-story apartment and office building.

BANGOR, PA.—W. W. Bretherick, Arch., 905 Walnut St., Philadelphia, has invited bids for a hotel for Geo. Rodenbaugh. Cost, $50,000.

WILLIAMSPORT, PA.—E. V. Seeler, Arch., Real Estate Trust Bldg., Philadelphia, has plans ready for bids for a library for the city. Cost, $125,000.

PITTSBURG, PA.—The contract for erecting the McCheseney 19-story building in Fourth Ave has been awarded to GEO. A. FULLER CO., at a cost of about $600,000. A complete power plant will be installed.

BALTIMORE, MD.—The Board of Awards, City Hall, will receive bids until Sept. 13 for construction of foundations and superstructure for Produce Market at Lombard and Water Sts. Simonson & Pietsch, Arches., American Bldg. Cost, $120,000.

Bids will be received at the same time and place for construction of superstructure for fish market to be located on east side of Centre Market space. Cost, $100,000.

Henry Smith & Sons Co., 116 South Regester St., submitted the lowest bid, at $295,610, and will probably be awarded contract.

Charles E. Savage, Central Savings Bank Bldg., has purchased two lots at Fayette and Payson Sts. and will erect about 30 two-story dwellings on the sites.

WASHINGTON, D. C.—Jas. L. Marshall, 1321 G St., N. W., has been awarded the contract for a store and office building at 13th and G Sts., for the Church of the Epiphany. Brick and stone, 4 stories, 25 × 100 ft.

WASHINGTON, D. C.—B. S. Simmons, Arch., is preparing plans for remodeling National City Bank at 1405 G St., N. W. Cost, $50,000.

N. T. Haller Co., Arch., Corcoran Bldg., has invited bids for a five-story addition to apartment house at 12th and M Sts., N. W. Cost, $80,000.

CHAS. McCAUL CO., 10 North 11th St., Philadelphia, Pa., has been awarded the contract for an addition to the Marine Barracks. Cost, $85,000.

LYNCHBURG, VA.—Press reports state that Mrs. Thos. F. Ryan, of New York City, will shortly let contract for the erection of a hospital in Lynchburg, which will cost approximately $100,000.

DURHAM, N. C.—Sealed bids will be received by Board of Education until Aug. 31 for construction of high school building. Wheeler, Runge & Dickey, Archs., Charlotte.

SHREVEPORT, LA.—Bids will be received by Andrew Querbes, Pres. Bldg. Com., until Oct. 7 for the erection of three-story brick, terra cotta and steel framed building for the B. P. O. Elks, No. 122, Shreveport. A. J. Armstrong, Arch., Shreveport.

MEMPHIS, TENN.—The Memphis Hotel Association will erect an addition to the Hotel Gayoso. Cost, about $250,000.

LOUISVILLE, KY.—G. PIERCE, 277 Broadway, New York, was the lowest bidder for public library to be erected here, and has been awarded the contract. Pilcher & Tachau are Archs., 32 East 28th St., New York City.

AKRON, O.—All bids for construction of new court-house were rejected by Court-House Commission and new bids will be readvertised for.

TOLEDO, O.—It has been officially announced that the Simmons Hardware Co., of St. Louis, Mo., will establish a large jobbing house in Toledo, to cost $250,000. W. H. Standart is the local representative.

SOUTH BEND, IND.—S. S. Beman, Arch., Fine Arts Bldg., Chicago, Ill., is preparing plans for a children's home, to be erected at South Bend, for the Children's Aid Society. Cost, $60,000.

PERU, IND.—We are advised that the County Commissioners have asked for $280,000 for the erection of new court-house. C. W. Nacy, County Audr.

CHICAGO, ILL. — Frank Schoenfeldt, Arch., 1755 West 12th St., is preparing plans for store and hall to be erected at Harrison and Green Sts., for the German Hod Carriers' Union. Bids will be received by architect after Sept. 1. Cost, $60,000.

The Chicago Land, Loan & Construction Co., 108 La Salle St., contemplates the construction of 14 flat buildings in Edgewater. Cost, $75,000.

EVANSTON, ILL.—E. A. Mayo, Arch., 204 Dearborn St., Chicago, is preparing plans for residence to be erected at Judson Ave. and Church St., Evanston, for W. H. Jones, Dempster and Forest Aves., Evanston. Cost, $100,000.

PLATTEVILLE, WIS.—The State Board of Control has accepted plans of Van Ryn & De Gelleke, Archs., of Milwaukee, for new state normal school building to be erected at Platteville. Cost, $120,000.

CEDAR FALLS, IA.—Proudfoot & Bird, Archs., Des Moines, are preparing plans for laboratory for State Normal School at Cedar Rapids. Cost, $100,000.

BURLINGTON, IA.—Bids were opened Aug. 17 at the office of Jas. Knox Taylor, Supv. Arch., Washington, D. C., for construction of U. S. post-office at Burlington, as follows: Morse Contracting Co., North Topeka, Kan., $47,875; Bartlett & Cling, Cedar Rapids, Ia., $36,460.

DULUTH, MINN.—Bids are asked until noon Sept. 18 for U. S. Engineer Building at Duluth. Major Chas. L. Potter, U. S. Engrs. (Advertised, Engineering News.

ST. PAUL, MINN.—C. H. Johnston, Arch., St. Paul, will soon ask for bids on the new main hall for agricultural college here. Cost, $225,000.

OMAHA, NEB.—Parlin, Orendorff & Martin are planning to erect a $100,000 warehouse at Jones and Leavenworth Sts. Mill construction, 6 stories, 100 × 264 ft.

Paxton & Gallagher, Omaha, will erect a new eight-story building, 132 × 132. Cost, $200,000.

LINCOLN, NEB.—Plans are being prepared by S. S. Beman, Arch., Fine Arts Bldg., Chicago, Ill., for a church here for the Christian Science Congregation. Cost, $75,000.

FARGO, N. DAK.—The ontract for the extension of the U. S. public building at Fargo has been awarded to LAURITZEN BROS., of Fergus Falls, Minn., at $54,990.

BISMARCK, N. DAK.—Plans, specifications and sealed proposals will be received by Board of State Capitol Commissioners until Sept. 19 for remodeling and reconstruction of State Capitol building. T. R. Shaw, Secy.

KANSAS CITY, MO.—Preliminary plans for new fire headquarters building have been approved by Board Public Works. It is stated that bids will be advertised for at once. Albert Turney, Dwight Bldg., is Arch. Cost, $70,000.

JEFFERSON CITY, MO.—It is reported that the Supreme Court Commission has awarded contract for the erection of new supreme court building to the HILL-O'MERA CONSTRUCTION CO., of St. Louis, for $176,000.

ST. LOUIS, MO.—We are informed that the May Co. department store, Sixth and Washington Aves., is preparing to make extensive enlargements and improvements. The new apparatus includes among other things ten modern electric elevators, proposals for which will be received in the immediate future by their consulting engineer, Wm. H. Bryan, Lincoln Trust Bldg., St. Louis.

KANSAS CITY, MO.—F. V. Newell, Arch., 78 La Salle St., Chicago, Ill., is preparing plans for additions and alterations to hotel building at McGee and Ninth Sts., Kansas City, for J. J. Swaford. Cost, $30,000.

STEPHENVILLE, TEX.—Plans, specifications and bids will be received by County Commissioners until 12 noon, Aug. 28, for a modern jail, to cost not exceeding $28,000. M. J. Thompson, County Judge.

FORT WORTH, TEX.—Benj. J. Tiller will erect a four-story brick hotel at a cost of $100,000.

BRACKETT, TEX.—The United States government will expend about $640,000 in building additions and improving Fort Clark, situated near here. The new buildings to be erected are as follows: Colonel's quarters, brick; three sets field officers' quarters, brick; ten sets captains' quarters, brick; six sets lieutenants' quarters, brick; eight sets non-commissioned staff officers' quarters, frame; barracks for band, brick; guardhouse, brick; administration building, brick; quartermaster storehouse, brick; subsistence storehouse, brick; eight cavalry stables, frame; one field staff and band stand, frame; one stable quartermaster department, frame; wagon shed, frame; ordnance storehouse, frame; eight company barracks, brick; bay shed, frame; granary, frame; oil house, frame; bakery, frame. Address the quartermaster's department, Fort Clark.

KOUNTZ, TEX.—This county has issued $40,000 of bonds for the purpose of erecting a new county jail here. Address County Judge.

SHAWNEE, OKLA.—Bids are asked by C. F. Larabee, Act. Comr. of Indian Affairs, Washington, D. C., until Sept. 14 for furnishing and delivering materials and labor required to construct and complete two brick dormitories and one mess hall and water and sewer system at the Shawnee School, Okla. F. A. Thackery, Supt., Shawnee.

SOUTH McALESTER, IND. T.—The city has voted to issue $125,000 school bonds for the erection of five school buildings.

SALEM, ORE.—Sealed proposals will be received by C. F. Larabee, Act. Comr. Indian Affairs, Washington, D. C., until Sept. 5 for constructing complete two frame barns with plumbing and electric light, one frame employes quarters and one brick hospital, both with plumbing, steam heat and electric light, at the Salem School, Ore.

PORTLAND, ORE.—The Home Telephone Co. will erect a $70,000 structure in the near future at Park and Burnside Sts.

SAN FRANCISCO, CAL.—Sealed proposals will be received by Col. Wm. S. Patten, A. Q. M. G., U. S. A., until Sept. 11 for construction and electric wiring of frame additions to 16 sets barrack buildings at the Presidio of Monterey, Cal.

SAN FRANCISCO, CAL.—The contract for construction of new custom-house at San Francisco has been awarded to THOS. BUTLER, of San Francisco, at his bid of $1,194,000.

LONG BEACH, CAL.—J. B. Heartwell, H. M. L. Schroeter and others will erect a $500,000 hotel at Magnolia Ave. and Ocean Park.

PRESCOTT, ARIZ.—Bids are asked until 3 p. m. Sept. 8 for construction, plumbing, hot water heating and electric wiring of hospital at Whipple Barracks. Capt. Chas. C. Walcutt, Jr., Q. M. (Advertised, Engineering News.)

SALT LAKE CITY, UTAH.—The construction of new county jail is being seriously considered by County Commissioners.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

MANCHESTER, N. H.—We are informed that nothing will be required for proposed extension of city water system except 10-in. pipe. City Water-Works Department will lay the pipe. Proposed extension is two miles long and will cost $20,000. Chas. K. Walker is Supt. W.-W.

UXBRIDGE, MASS.—According to local reports contracts for water-works improvements for this town (bids received Aug. 15) have been awarded as follows: 1,400 tons 8-in. to 12-in. pipe, DONALDSON IRON CO., New York, $38,043; 75 hydrants, EDDY VALVE CO., Troy, N. Y., $1,800; 51 valves, FAIRBANKS CO., Boston, Mass., $1,138; two triplex pumps, 300 gallons per minute capacity, RAMSAY & CO., Seneca Falls, N. Y., $2,674. For laying the pipe, A. Benvenuti, New London, Conn., at $12,155, is stated to be the lowest bidder, while C. E. Blanchard, Uxbridge, at $8,967, is stated to be lowest bidder for constructing the reservoir.

PALMER, MASS.—Palmer Water Co. has awarded contract to T. D. CONWAY, Boston, Mass., for cleaning out its reservoirs and raising dam.

LEICESTER, MASS.—Water Commissioners have awarded contract for drilling several 8-in. wells to the CENTRAL SUPPLY CO., Worcester, Mass., for $4 per ft.

FALMOUTH, MASS.—Bids are asked by this town, John H. Crocker, Water Comr., until 7.30 p. m. Sept. 4, for laying about 3½ miles of 6-in. and 8-in. cast iron water pipe and appurtenances. Louis E. Hawes, Engr., 101 Tremont St., Boston, Mass. (Advertised, Engineering News.)

SOUTH NORWALK, CONN.—Water Commissioners have awarded contract for laying 3,900 ft. 8-in. water main to JOHN DENICOLA, South Norwalk.

TROY, N. Y.—Bids were received Aug. 8 by Board Public Works for construction of permanent opening through the Tomhannock dam, the contract being awarded to J. W. BISHOP CO., Worcester, Mass., for $24,360.

NEW YORK, N. Y.—Following bids were received Aug. 16 by John T. Oakley, Comr. Water Supply, Gas and Electricity, for various improvements in connection with water supply of the Borough of Brooklyn: Furnishing, delivering, erecting and connecting four water tube boilers at new Ridgewood pumping station—Babcock & Wilcox Co., 85 Liberty St., $32,650; A. D. Granger Co., 95 Liberty St., $34,632; Altman & Taylor Mach. Co., $29,500; R. J. T. Gerstle Co., 44th St. and First Ave., $23,987; Heine Safety Boiler Co., 11 Broadway, $28,000; United Heating Co., 174 Wooster St., $34,221. Furnishing, delivering, erecting and connecting (1) two boilers and (2) one economizer at new Gravesend pumping station—Ed. Burhorn, 71 Wall St., (1) $14,500, (2) $1,660; A. D. Granger Co., 95 Liberty St., (1) $13,279, (2) $1,639; B. Franklin Hart, Jr., Co., 143 Liberty St., (1) $13,247, (2) $1,490; United Heating Co., 174 Wooster St., (1) $9,300, (2) $2,400. Furnishing, constructing and erecting (1) engine houses for high pressure fire service at Willoughby and St. Edwards Sts., and (2) engine house at Furman and Joralemon Sts., Borough of Brooklyn; three lowest bidders only—Hahn & O'Reilly, 3311 Third Ave., (1) $64,000, (2) $78,000; R. H. Deeves, 240 West 132d St., (1) $71,000; Fuller & O'Connor, 26 Court St., (1) $71,723; R. E. Heningham, 4 Court Sq., (2) $81,355; C. H. Peckworth, 416 Hudson St., (2) $85,275. Furnishing, delivering and erecting temporary pumping plant at new Ridgewood pumping station—Borough Const. Co., 44 Court St., $37,589; R. J. T. Gerstle Co., 44th St. and First Ave., $39,737; S. K. Kellock, 44 Court St., $64,674; I. Harris, 485 Flatbush Ave., $56,200. Furnishing, constructing and erecting pumping engine with all appliances complete at New Gravesend pumping station—Camden Iron Works, Camden, N. J., $37,230; Allis-Chalmers Co., Milwaukee, Wis., $27,495; Platt Iron Works, 93 Liberty St., $32,937; Marine Engine & Machine Co., 80 Broadway, $26,900. Snow Steam Pump Works, 114 Liberty St., $23,900.

GARFIELD, N. J.—Bids are asked by Mayor Wm. B. Henworth and Council until 8 p. m., Aug. 30, for furnishing and laying about 36,800 lin. ft. 3-in. to 10-in. pipe, hydrants, etc. Blue prints and specifications may be seen at office of Engineering News, 220 Broadway, New York. Wise & Watson, Engrs., Passaic, N. J.; Frank E. Kane, Boro. Clk. (Advertised, Engineering News.)

PERTH AMBOY, N. J.—Bids are asked by Water Commissioners, Adam Eckert, Clk., until 8 p. m., Aug. 30, for laying about 3,500 ft. of 6-in. water pipe, including specials.

BURLINGTON, N. J.—Bids are asked by Board Water Commissioners until Sept. 19 for compound condensing crank and fly wheel pumping engine of 3,000,000 gallons capacity. George A. Allinson, Supt. W.-W. (Advertised, Engineering News.)

PERTH AMBOY, N. J.—Bids are asked by Board Water Commissioners, Adam Eckert, Clk., until 8 p. m., Aug. 30, for furnishing and erecting 8,000,000-gallon pumping engine. S. J. Mason, Engr. Specifications and plan of pumping station may be seen at office of Engineering News, 220 Broadway, New York. (Advertising, Engineering News.)

DOVER, PA.—Bids are asked by Jacob H. Kann, Town Clk., until [illegible] m., Sept. 6, for pipe and laying, tower and tank, power house and engine, specials, valves and boxes. Chas. S. York, Engr., [illegible]more, Md. (Advertised, Engineering N[illegible]

PHILADELPHIA, PA.—[illegible]ans and specifications for filtering ma[illegible]ie and collection for the Torresdale filter[illegible] office of Engineering N[illegible]22d Broadway, New York. Bids are a[illegible]until Sept. 6, as advertised in Engineerin[illegible]ws.

RANKIN, PA.—Boro[illegible] Council has awarded contract for la[illegible]o-in water line on Braddock Ave. to M[illegible]HERRON & CO., Pittsburg, Pa., for $4,80[illegible]

INDIANA, PA.—We are informed that engineers are at work on [illegible]ormed that extensions of water-works of local[illegible] for extensions that bids will be take[illegible]company, and about Sept. 1. Source of supply is fro[illegible]o Lick Creek, 2 1-7 miles distant, and [illegible]ost is $40,000 to $60,000. A. M. Wood[illegible]diana, is Des Engr., and Hugh M. Bell[illegible]y Company a official in charge.

RICHMOND, VA.—Plans and specifications for construction of steel [illegible]forced concrete conduit, and for furnishin[illegible]d laying, etc., 36-in. or 42-in. pipe can be seen at office of Engineering News, 220 Broadway, New York. Bids are asked by Chas. [illegible]Bolling, Supt. W.-W., until Sept. 5, as [illegible]rtised in our advertising columns.

COLUMBIA, S. C.—Additional contracts for the water-works of this pla[illegible]ids for which were opened Aug. 8, are reported to have been let as follows: Hydrants and valves, R. D. WOOD & CO., Philadelphia, $3,347; generators, WELLES & LILLY, Columbia, $3,300; centrifugal pumps, TACONY IRON WORKS, Tacony, N. Y.; [illegible]; pipe and specials, DIMMICK PIPE CO., Birmingham, Ala., $69,840; power pumps, DEAN STEAM PUMP CO., Holyoke, Mass.; $[illegible]; turbines, S. MORGAN SMITH, York, Pa., $16,36[illegible]; steam pumps and auxiliary pumps, HENRY R. WORTHINGTON, New York, $15,96[illegible]; standpipe, R. D. COE MFG. CO., Noonan, Ga., $9,454.

CARBON HILL, ALA.—Bids are asked by B. B. Guthrie, Town Clk., until 8 p. m., Sept. 4, for furnishing materials and erecting a water and light plant for this place. Edgar B. Kay, Engr., Tuscaloosa, Ala. (Advertised, Engineering News.)

SOMERSET, KY.—See under Light and Power Plants.

PRINCETON, KY.—Bids are asked by City Council, J. N. Brewer, Cy Clk., until 8 p. m., Sept. 5, for furnishing material and constructing water-works for this city. Granbery Jackson, Engr., Nashville, Tenn. (Advertised, Engineering News.)

CINCINNATI, O.—Bids are asked by Commissioners of Water-Works, Robert V. Foster, Clk., until noon, Sept. 15, for laying about 5,950 ft. of 16-in. and 20-in. cast iron water pipe.

LEESBURG, O.—We are informed that this city will vote Sept. 12 on a $16,000 bond issue for putting in water-works. C. P. Keen is Mayor.

MALTA, O.—We are informed that an election to vote bonds for new municipal waterworks will be held Sept. 22. Supply is to be obtained from McConnelsville, three miles distant, and est. cost is $7,000. Plans have not been made. W. S. Connor is Clk.

NEWARK, O.—We are advised that all bids received Aug. 12 by Board Public Service, John P. Lamb, Pres., for constructing water-works for this city, were higher than the engineer's estimate and were rejected. Changes in the plans will be made as quickly as possible and the work readvertised. Lewis K. Davis, Consult. Engr., Indianapolis, Ind.

MARIETTA, O.—We are advised that this city will open bids Aug. 30 for about 5,000 ft. of water pipe. A. F. Cole is Cy. Engr.

PLYMOUTH, O.—Bids are asked by Board Public Affairs, John I. Beelman, Clk., until noon, Aug. 28, for furnishing and installing machinery and equipment necessary in the electric and water plant of this village. This improvement consists mainly of gas engines, pumps, arc lamps and their equipments, regulator, transformer, switchboard and pulleys.

BROOKSIDE, O.—Bids are reported asked by Jno. C. Curtiss, Village Clk., until Sept. 2 for supplying this village with water. Post Office, Bridgeport, O.

BRAZIL, IND.—We are informed that this city will install an air compressor and will rebuild part of its water plant; a gallery will also be constructed and it is expected that a full line of meters will be installed. It is proposed to spend about $6,000 for the improvements, plans for which are now being made. R. L. Shattuck is Mayor.

WHITE HALL, ILL.—We are advised that contract for laying 4-in. cast-iron pipe, setting hydrants, gate valves, etc., was awarded Aug. 18 to T. H. IGLEHART, Morgan Park, Ill., for about $2,350. J. H. Piper is Cy. Clk.

MOUNT VERNON, ILL.—Bids were received Aug. 15 for construction of reservoir embankment, etc., for the Citizens' Gas, Electric & Heating Co., the contract being awarded to J. M. DOOLITTLE & SON, Huntington, Ind., for $13,440. Itemized bid of successful contractor is given under Contract Prices.

BLOOMINGTON, ILL.—The city on Aug 14 awarded contract for construction of 10,000,000-gallon reservoir to the CRESCENT STONE CO., Peoria, Ill., for $[illegible],000. Bidders were required to submit their own plans and specifications, those of the successful contractor being prepared by Dabney H. Maury, Consult. Engr., Peoria, Ill.

WEST ALLIS, WIS.—We are informed that contract for constructing distributing portion of village water-works (bids received Aug. 19) has been let to AMERICAN LIGHT & WATER CO., Kansas City, Mo., for $42,678. H. D. Hill is Village Clk.

THIEF RIVER FALLS, MINN.—The time for receiving bids for construction of a pumping installation has been extended to Sept. 4. The work comprises the furnishing

and installing of one or two pumps and a 30-HP. direct current motor. O. Clausseen, Engr., St. Paul, Minn.; Lars Backe, Cy. Clk.

HAYFIELD, MINN.—Bids are asked by E. C. Hellecksen, City Recdr., until 8 p. m., Sept. 1, for 1,... ft. 6-in. water pipe, three hydrants, one gate valve, etc., and for laying same.

INDEPENDENCE, KAN.—We are informed that $10,000 of bonds have been voted to buy the old water-works plant and to build. No contracts have been let. Jos. S. Barnwell is Cy. Engr.

PARKSTON, S. DAK.—Contract for construction of water-works for this city is stated to have been let to W. D. LOVELL, Minneapolis, Minn., for $14,198.

GALVESTON, TEX.—Bids are asked by City Commissioners, John D. Kelley, Cy. Secy., until ... 21, for furnishing, delivering and erecting complete mechanical equipment of a pumping station at Alta Loma, Tex., consisting of two 4,000,000-gallon pumping engines, two 100-HP. boilers and a 40-light generator, including all accessories. H. C. Lange, Comr. W.-W. and Sewerage, C. G. Wells, Cy. Engr. (Advertised, Engineering News.)

TRINIDAD, COLO.—We are informed that bids were opened Aug. 14 for making changes in city water system, requiring 7,000 ft. 20-in. wood pipe and 1,000 ft. 16-in. cast-iron pipe, the contract being awarded to F. J. MURPHY, Trinidad, and HOLMES & ALLEN CONSTRUCTING CO., Denver, Colo., for $17,... W. K. Roby, Supt. W.-W., is official in charge. W. H. Cunningham, Asst. Supt.

DENVER, COLO.—Following bids were received Aug. 16 at office of U. S. Reclamation Service, Denver, for construction of Path-finder Dam: N. S. Sherman, Oklahoma City, Okla., $159,200; Seddes & Seerle Stone Co., Okla., $159,200; Seddes & Seerle Stone Co., Okla., $159,200; Seddes & Seerle Stone Co.,

MANCHESTER, IA.—We are informed that the contract was awarded Aug. 15 to M. FORD, of Cedar Rapids, for paving portions of Franklin and Main Sts. with Galesburg block, at $1.68 per sq. yd., and cement curb at 29 cts. a lin. ft. Kimball Engineering Co., of Davenport, Ia., Engr.

HOT SPRINGS, ARK.—The city contemplates paving a number of streets in the near future. Est. cost, $75,000. Samuel Hamblen is Cy. Engr.

DALLAS, TEX.—The bitulithic pavement has been adopted by the city of Dallas, and a contract for 12,000 sq. yds. has been awarded to the SOUTHERN BITULITHIC CO.

SHERMAN, TEX.—It is reported that the City Council has authorized the Mayor and City Clerk to advertise for bids on paving Crockett and Travis Sts., from Court plaza to city limits, about two and one-fourth miles. Est. cost, $75,000. Bids will be asked on both brick and concrete. Chas. E. Haydon is Cy. Engr.

BISBEE, ARIZ.—Bids are asked by C. W. Hicks, Cy. Clk., until Sept. 5 for paving and grading Main St. and Brewery Ave.

SEATTLE, WASH.—The contract for grading Roy and other streets has been awarded by Board Public Works to S. NORMILE, of Seattle, at $6,947.

The SPARGER CONCRETE CO., of Seattle, has received contract for laying concrete walks on Yesler Way, at $2,991.

PORTLAND, ORE.—Contracts for 14,425 sq. yds. of bitulithic in Second St. and 13,021 sq. yds. in Couch St. have been awarded to the WARREN CONSTRUCTION CO., of Portland.

OAKLAND, CAL.—Sealed bids will be received by John P. Cook, Clk. Bd. Supv., until 10 a. m., Aug. 28, for macadamizing a portion of County Road No. 1039.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

WORCESTER, MASS.—Edw. T. Chapin, Arch., 727 State Mutual Bldg., has completed plans for four-story addition, 28 × 88 ft., to underwear factory of A. Israel, Water St.

BROOKLYN, N. Y.—Louis Danancher, Arch., 255 East New York Ave., has plans for a five-story factory building, 50 × 102 ft., for A. Koeppel. Cost, $30,000.

SYRACUSE, N. Y.—The Woerner Preserving Co. is planning to erect a branch canning factory either at Lockport or Newfane, N. Y.

NEW ROCHELLE, N. Y.—A. Sunberg, Arch., has plans for a three-story brick factory building to be erected on Railroad Place. Cost, $20,000.

NEW YORK, N. Y.—Milliken Bros., 11 Broadway, have announced their intention of erecting mills on Staten Island to roll structural shapes and plates. No plans have been definitely decided on, nor will any definite action be taken in connection with this matter for several months yet.

OSWEGO, N. Y.—Sealed proposals will be received by Capt. W. M. Coulling, Q. M., U. S. A., until Aug 31 for construction of one brick building, known as a quartermaster's workshop.

PASSAIC, N. J.—Botany Mills Co., of Passaic, is taking figures on electric wiring for new mill; brick, 4 stories, 112 × 112 ft. J. W. Ferguson, of Paterson, is the contractor, and the plans were prepared by owners.

LONG BRANCH, N. J.—L. Cubberly, Arch., Long Branch, is taking figures on an addition to factory for Steinle & Son, of Long Branch, to cost about $30,000. Brick, 3 stories, 56 × 80 ft. Some equipment will be required.

RED OAK PARK, N. J.—P. J. Corn, Arch., 320 Fifth Ave., New York, has plans in progress for a brick and pottery works to be erected for himself at Red Oak Park. Brick and steel, 3 stories, 100 × 200 ft.

JERSEY CITY, N. J.—We are informed that the power plant for factory, now in course of construction for E. M. Johnson, drug manufacturer, has not yet been determined and is in the hands of engineer. The equipment is estimated to cost $3,000. Wm. A. Tilton, Arch., Jersey City. Previously mentioned in issue of July 20.

HARRISBURG, PA.—John T. Ensminger will erect a four-story building, 40 × 125 ft., to be used for light manufacturing purposes.

DICKERSON RUN, PA.—Fire destroyed the plant of the Star Brick Co. Loss, $25,000.

PHILADELPHIA, PA.—The Miller Lock Co. will erect a two-story addition to its factory at Melrose and Duncan Sts. RODYHOUSE, AREY & CO., Fidelity Bldg., awarded contract.

SCRANTON, PA.—The Youngstown Wall Plaster Co., 109 Franklin Ave., has invited bids for a plaster manufacturing plant.

SCRANTON, PA.—BOLLINGER BROS., 133 First Ave., Pittsburg, have been awarded contract for an addition to the Standard Brewing Co.; brick and steel, 5 stories, 75 × 100 ft.

KINGSTON, PA.—JOHN A. SCHMITT'S SONS, 149 Scott St., Wilkesbarre, have received the contract for a machine shop for the Adder Machine Co. Cost, $50,000.

ALLENTOWN, PA.—Jacoby & Weishampel, Archs., Commonwealth Bldg., have received bids for rebuilding the Allentown Flint Bottle Co.'s plant. New equipment will be installed. Cost, $30,000.

CONSHOHOCKEN, PA.—Savery, Sheetz & Savery, Archs., Stephen Girard Bldg., Philadelphia, are preparing plans for an addition to a factory for John Wood Co.

WILMINGTON, DEL.—The mattress factory of Isenberg Bros., 11th and Thatcher Sts., was gutted by fire.

BALTIMORE, MD.—The National Enameling & Stamping Co., Light St. and Ohio Ave., is contemplating the enlargement of its plant in Baltimore. Geo. W. Knapp is Dir.-Genl.

BALTIMORE, MD.—The Impervious Product Co., manufacturers of asphalt and coal tar products, Baltimore, writes us that the contract for rebuilding their factory at Fairfield, has been awarded to JOHN GEIS & CO., of Brooklyn (Sta. Baltimore). The buildings are to be 150 × 250 ft. and will be finished in about five weeks. The plant will be equipped with up-to-date machinery.

SANDS, N. C.—L. L. Critcher will be in the market at an early date for machinery for saw mill.

FLORENCE, S. C.—The Phoenix Ice Co. will erect a new factory building, 75 × 125 ft. Louis H. Mears is Pres.

WAYCROSS, GA.—The preliminary work of clearing the ground for new shops and freight yard of the Atlantic Coast Line Ry. Co. in this city will begin at once. The new shops will include: A locomotive repair shop, boiler and blacksmith shop equipped with steam hammers and other modern devices; coach repair shop; paint shop; planing mill; foundry; freight car repairing yard of sufficient size to make repairs to as many as 50 freight cars at one time; round house, oil house and a two-story store house. The plant will be electrically driven and will cost between $400,000 and $500,000. E. B. Pleasants is Ch. Engr., Wilmington, N. C.

OLIVER SPRINGS, TENN.—David C. Richards and associates propose to develop clay lands and establish pottery. Modern machinery for mining and manufacturing the clay is wanted, and correspondence is now invited.

GREENEVILLE, TENN.—A. L. Brown and others contemplate the establishment of an umbrella factory. Information regarding necessary machinery is invited.

NASHVILLE, TENN.—The Armour Co., of Chicago, will erect a fertilizer factory here at a cost of $150,000.

MEMPHIS, TENN.—Jones & Furbinger, Archs., have plans for addition to plant of the Tennessee Fiber Co. New buildings, of which there will be three, will cover an area of 300 × 400 ft. Cost, $25,000.

NASHVILLE, TENN.—Lieberman, Loveman & O'Brien will rebuild at once their plant, recently destroyed by fire.

TOLEDO, O.—The National Land & Investment Co. will erect a building for the C. Z. Kroh Mfg. Co., manufacturers of automobiles.

NEW CASTLE, IND.—Albert Krell is looking for a site upon which to erect a piano factory.

CHICAGO, ILL.—David Robertson, Arch., has completed plans for factory to be erected on Troy St., for Chicago Chair Works Co., 976 South Troy St. Bids will be received by owners. Cost, $6,000.

The same architect has also completed plans for an addition to cement plant to be erected at South Chicago and Greenwood Aves., for E. J. Wilson & Co., 138 Jackson Blvd. Cost, $5,000.

CHICAGO, ILL.—David Robertson, Arch., 184 La Salle St., has completed plans for an asphalt plant, to be erected at 59 Dix St., for Parker-Washington Co., 138 Washington St. Work will be done by the day, owners in charge. Cost, $20,000.

LADYSMITH, WIS.—W. E. ULE, Stevens Point, Wis., has contract for large mill four miles from Ladysmith. Cost, $100,000.

VIRGINIA, MINN.—The Virginia Brewing & Malting Co. will establish a new brewery, to consist of several buildings. P. R. Vall is Pres. Cost, $125,000.

LINCOLN, NEB.—The Nebraska Flour Export Co. contemplates erecting a blending plant, to cost $10,000.

JOPLIN, MO.—The Bartlett Steel Co. proposes to rebuild its steel plant, recently burned at a loss of $50,000. The company will be the engineer in charge; buildings 65 × 100 and 15 × 100 ft. to be erected. It is stated that the machinery has not yet been purchased.

OKLAHOMA CITY, OKLA.—The Molesworth Refrigeration Co., recently incorporated with capital stock of $100,000, will manufacture ice machines. A 50 × 160 ft. building is now occupied, and other structures will be erected later. Machinery has not been purchased.

PORTLAND, ORE.—Negotiations are being carried on by the Portland Board of Trade for the establishment of nine large enterprises in this city, among them being a cotton mill to cost $1,000,000 and a brewery to cost $250,000. Other works are plow works, harvest machinery plant, powder works, knitting factory, silk factory, and drop forging works.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

LEVEE.—Sacramento, Cal.—Bids are asked by M. J. Desmond, Cy. Clk., until 8 p. m., Aug. 28 for material and reconstruction of levee along Sacramento River front.

EXCAVATION.—Indianapolis, Ind. — E. M. Graves, 57 Lombard Bldg., Indianapolis, Ind., has 600,000 cu. yds. excavation to sublet. (Advertised, Engineering News.)

BULKHEAD.—Ocean Park, Cal.—Guarantee Realty Co. is stated to have awarded contract to J. D. MERCEREAU for about 3,800 ft. of reinforced concrete bulkheading.

DITCH WORK.—Des Moines, Ia.—Bids are asked by Lew Burnett, County Audr., until Sept. 11 for construction of Saylor Township ditch, requiring about 33,073 cu. yds. earth excavation.

READERS' WANTS If any one is in the market for any engineering or contracting supplies, the first thing to do is to refer to our advertising pages, but if the buyer cannot find what he wants we particularly ask that he notify us at once and we will inform the proper parties without cost to the inquirer. A copy of **ENGINEERING NEWS BUYERS' GUIDE** will be mailed to any one upon application. This paper will always appreciate any news notes regarding public, or important private work, and will be pleased to receive detailed items. Requests to hold names will be complied with in every case. **Do not fail to write our advertisers or us.**

GASOLINE ENGINE.—Chandler Springs, Ala.—L. G. Hart is reported in the market for a gasoline engine.

WHEEL SCRAPERS.—Detroit, Mich.—M. Mitshkun Co., Isabella and E Sts., Detroit, writes us that it is in the market for 30 wheel scrapers.

ELEVATORS.—Knoxville, Tenn.—Thomas & Turner, of Knoxville, and G. W. Long, of New Market, Tenn., are reported as in the market for the above.

TRAVELING DERRICK.—Milwaukee, Wis.—J. Donahue & Son, Contractors, 889 Cambridge Ave., write us that they wish to buy a travel derrick with an orange peel bucket.

TRACK VELOCIPEDE.—Inez, Texas.—W. O. Washington, C. E., Inez, writes us that he wishes prices on a light running hand pumping track velocipede for standard gage track.

ELECTRIC SUPPLIES.—It is stated that electrical supplies are wanted by C. H. Bitterman, of Vicksburg, Miss.; Geo. C. Chambers, of Calhoun, Ga.; T. R. Griffin, Mayor, Somerset, Ky., etc.

RAIN AND SEWER SELF-REGISTERING GAGES.—Boston, Mass.—C. S. Shaughnessy, 30 Tremont St. (Sewer Div., Street Dept.), writes us that he wants the names of manufacturers of the above.

CREOSOTED WOOD BLOCK PAVEMENTS.—Tacoma, Wash.—W. F. Fuller, care Hotel Tacoma, of Tacoma, writes us that he wishes data relating to costs of modern creosoted wood block pavements.

STEEL RAILS.—Fort Lawn, S. C.—The Southern Power Co., Trust Bldg., Charlotte, N. C., writes us that it is in the market for new 60-lb. steel rails for ten miles of track, and also for the angle rims, bolts, etc.

CONCRETE BUILDING BLOCKS, ETC.—College Hill, Ky.—H. du B. Foches, care Talbot & Co., of College Hill, writes us that he wishes to secure data relating to concrete building blocks and their manufacture.

TILE AND SLATE ROOFING.—West Palm Beach, Fla.—Guy I. Metcalf, Chn. Lakeworth Drainage and Irrigation System, Lock Box 176, writes us that he wishes the addresses of concerns handling tile and slate roofing.

IRON BRIDGE.—Waynesburg (Green Co.), Pa.—Geo. D. Jenkins, C. E., writes us that he wishes to be placed in communication with manufacturers and erectors of iron bridges, as he is in a position to place an order for one of 125 ft. span.

SPUN COPPER BALLS.—Boston, Mass.—Booth & Co., Engrs. and Contractors, 42 Court St., write us that they are in the market for spun copper balls of different diameters, designed to resist an internal water pressure of from 200 to 800 lbs. pressure to the square inch.

SEWER CLEANING MACHINE, SEWER PIPE, STREET CLEANING BROOMS, STREET SWEEPING MACHINES, ETC.—Connersville, Ind.—R. J. Greenwood, Cy. Engr., writes us that he is in the immediate market for the above.

ROOFING MATERIALS.—Jersey City, N. J.—John L. Le Maire, 145A Bayview Ave., writes us that he is planning to start in the roofing business, and wishes to be placed in correspondence with manufacturers of patent roofing materials, etc.

CONCRETE CONSTRUCTION.—Plainfield, N. J.—The Theshmore Dynamo Works, 629 South Ave., writes us that it is planned to build a two-story factory, and correspondence is wanted with architects, engineers, etc., experienced in concrete work.

DIAMOND DRILL.—Mexico.—The Alden Store Co., of Anna, Ill., writes us that it is in the market for a small diamond drill, either hand power or one that can be driven by a small gasoline engine. The drill is to by shipped to Chihauhau, Mex.

CLEANING OUT CAST IRON PIPE.—Philadelphia, Pa.—The American Pipe Mfg. Co., 112 No. Broad St., writes us that it wants the names of concerns who make a business of cleaning out cast iron pipe that has become smaller in diameter due to tuberculation or from any other cause, and whether said firms would contract to clean a pipe for a price per foot and guarantee the result.

STEAM DITCHING MACHINES.—Slater, Ia.—S. O. Wald wants information as to prices, capacity, etc., of steam ditching machines, as drainage ditches, to cost about $200,000, are to be built in Polk and Story Counties.

20,000 GAL. AIR LIFT-PLANT, CONCRETE MIXERS, CONCRETE BLOCK MACHINES, DITCHERS, ETC.—Cuba.—The U. S. Consular Agent at Manzanillo, Cuba, writes us that he is in the market for the above.

MACHINERY.—Philadelphia, Pa.—H. P. Daill, 1322 South Broad St., Philadelphia, writes us that he wishes to be placed in correspondence with the manufacturers of brick presses, suitable for sand lime brick, guaranteed capacity of 20,000 brick per 10 hours, also of sand lime mixers for supplying the press. He also wants lime bolters and pulverizers, slow speed engines of 50 HP., water tube boilers of 50 HP., etc. Mr. Daill recently asked for data regarding concrete mixers.

RETAINING WALL [illegible] are asked by Board of [illegible] inson, Chn. Com., until [illegible] building a retaining [illegible] School lot.

DITCH.—Forrest City [illegible] asked by County Court [illegible] until Sept. 9 for construction of [illegible] ditch, requiring removal [illegible] yds. of earth.

DRAINAGE DITCHES.—Bids are asked by H. S. [illegible] Dodge, Ia.—County Auditor until 2 p. m., Sept. 5, for construction of five drains, requiring the [illegible] 1,838,384 cu. yds.

PIER WORK.—Grand [illegible] are asked until Sept. 20 [illegible] Mich.—Bids and revetments at Cha[illegible] M. B. Adams, U. S. E[illegible] Mich., Col. Engineering News.) (Advertised.

PORTLAND CEMENT [illegible] —Bids are asked by D[illegible] ington, D. C. Purchasing Officer Isthm[illegible] General sion, until Sept. 12 for [illegible] nal Commission. bbls. Portland cement. [illegible] 20000

PORTLAND CEMENT [illegible] Bids are asked by Mayor [illegible] Scott, Ariz.—cil until 8 p. m. Aug 28 [illegible] mon Council to be used in the construc[illegible] and Cement reservoir. A. B. Mader, [illegible] a concrete Moden. Cy. Clk. Surv.; E. S.

PIER.—Boston, Mass.—Bids are asked by Bureau Yards and Docks, [illegible] T. Endicott, Ch. Washington, D. C., until [illegible] 2 p. m. Sept. 9 for a pile and timber pier [illegible] Navy Yard, Boston. Specifications for [illegible] work may be seen at office of Engineering News, 220 Broadway, New York.

EARTH EMBANKMENT.—Roswell, N. Mex.—Bids are asked at office [illegible] U. S. Reclamation Service, Roswell, until 2 p. m. Oct. 17, for construction of earth embankments, involving about 200,000 cu. yds. earth work, and 150,000 cu. yds. overhaul. (Advertised, Engineering News.)

CANAL.—Portland, Ore.—Contract for building first section of Dalles-Celilo canal is stated to have been awarded to SMITH & JONES, Portland, Ore., for $294,000. Bids were received July 24 at U. S. Engineer Office, and itemized work is given under Contract Prices in issue of Aug. 17.

MACHINE TOOLS.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until Oct. 3 for furnishing at Mare Island Navy Yard, Cal., a quantity of machine tools, as follows: Schedule 81: Bending roll machine, lathes, drills, grinder, crane, furnace. H. T. B. Harris, Paym. Gen. U. S. N.

DRAINAGE WORK.—Prophetstown, Ill.—Bids are asked by Mason P. Brewer, Drainage Comr., Prophetstown, until 2 p. m., Sept. 4 for the excavation work, consisting of 2.32 miles of cleaning, deepening and widening old ditch, 25,749 cu. yds. in all, and 3.3 miles of excavation of new ditch, requiring 71,813 cu. yds. excavation.

LOCK GATES.—Pittsburg, Pa.—Contracts for lock gates for Locks 2, 3, 4 and 5, Ohio River (bids received at U. S. Engineer's Office, July 31) have been awarded as follows: PENNSYLVANIA BRIDGE CO., Beaver Falls, Pa., gates for locks 2, 4 and 5, $37,306 each; LAWRENCE D. WEANING, Cleveland O., gates for lock 3, $38,326.

CANAL.—Spearfish, S. Dak. — Bids are asked by Black Hills Traction Co., Richard B. Hughes, Gen. Mgr., until April 26 for constructing about 5½ miles of canal, involving the excavation of about 160,000 cu. yds. of earth, 15,000 cu. yds. rock, the construction of 200 cu. yds. dry stone culverts, etc. The work is located about nine miles from Spearfish.

LIGHT HOUSE.—Buffalo, N. Y.—Following bids were received Aug. 17 by H. M. Adams, Engr., Tenth Light House District, for rebuilding lighthouse at Horsehoe Reef Light Station: Continental Engineering & Contracting Co., 306 D. S. Morgan Bldg., Buffalo, N. Y., $10,400; The Grattan Contracting Co., Buffalo, N. Y., $6,337. All bids were rejected.

BRUSH MATTRESS.—Sacramento, Cal.—Bids are asked by Thos. B. Hall, Secy. Auditing Board, State Board Public Works, until 1:30 p. m., Sept. 3, for material and labor for construction of brush mattresses and sinking it to position in the Sacramento River. Principal items comprised in the work are 3,700 cu. yds. brush fascines, 3,500 tons rock and 6,000 lbs. of wire.

SUBWAY.—Cambridge, Mass. — Following bids were received Aug. 16 by the Superintendent of Streets for construction of subway under railroad tracks at Raymond St., (1) bid on granite construction, (2) bid for subway of concrete: Carr & Andrews, (1) $6,795, (2) $6,460; Henry McGahey, (1) $6,826, (2) $6,526; H. H. Hanscom, (1) $7,000, (2) $5,650; E. R. Taylor Co., (1) $6,000; J. H. Fannon, (1) $5,400; (2) $5,150.

DIKES.—Los Angeles, Cal.—Following bids were received Aug. 17 at local office of U. S. Reclamation Service, D. W. Murphy, Acting Supervising Engr., for construction of about 12 miles of dike for the Yuma Valley irrigation project: Miller & Peasley, 233 Wilcox Bldg., Los Angeles, Cal., $66,325; Grant Bros. Construction Co., 604 Trust Bldg., Los Angeles, Cal., $86,275; J. G. White & Co., 43 Exchange Pl., New York, $91,250; Shattuck Desmond Warehouse Co., 9th and Alameda Sts., Los Angeles, Cal., $98,062. Itemized bids will be given under Contract Prices.

DREDGING, BROKEN STONE, ETC.—New York, N. Y.—Bids are asked by Maurice Featherson, Comr. Docks, Pier A, Battery Pl., until 2 p. m., Sept. 1, for the following work: Furnishing labor and materials required for dredging about 100,000 cu. yds. on the East and Harlem Rivers, etc.; furnishing labor and materials required for furnishing and delivering about 3,000 cu. yds. of sand and about 7,500 cu. yds. of broken stone; furnishing labor and materials required for furnishing, delivering and putting in place about 15,000 cu. yds. of small cobblestone and about 20,000 cu. yds. of riprap stone.

STEEL TRESTLES.—**Wheeling, W. Va.**—Bids are asked until Sept. 22 for furnishing and delivering steel trestles for dams on Kanawha River. Major Geo. A. Zinn, U. S. Engrs. (Advertisement, Engineering News.)

TOOLS, BOILERS, ETC.—**Washington, D. C.**—Bids are asked by Bureau Supplies and Accounts, until Sept. 19 for furnishing a quantity of machine tools, etc., as follows: Schedule 90: Locomotives. Schedule 91: Water tube steam boilers, radial drill. Schedule 92: Lathe chucks, punch and shear, bolt. Schedule 93: Bench grinder, tenoning machine, mortiser, electric hoist and rubbing. Schedule 94: Slotting machine, motor driven sewing machine. Schedule 95: Band saw, squaring shears, cornice brake, key seating machine, engine lathes, bench grinder. (Adv. by T. B. Harris, Paym. Gen. U. S. N.)

CONTRACT PRICES.

[Where (*) precedes items under Contract Prices the work was advertised in Engineering News.]

*PATHFINDER DAM.—**Denver, Colo.**—Following bids were received Aug. 16, at office of U. S. Reclamation Service, Denver, for construction of Pathfinder Dam, North Platte Project, Wyoming: (1) N. S. Sherman, Oklahoma City, Okla.; (2) Geddes & Seerie Stone Co., 611 Continental Bldg., Denver, (3) Kilpatrick Bros. & Collins Contracting Co., Bestrice, Neb.; (4) Wyttenbach & Dunnegan, Sturgis, S. Dak.; (5) J. G. White Co., Inc., 43 Exchange Pl., New York, (6) The Keltie Stone Co., Joliet, Ill.:

Bids received at Denver, Col., August 16, 1905, by U. S. Reclamation Service, for Construction of the Pathfinder Dam.

Items.	Quantities.	(1)	(2)	(3)	(4)	(5)	(6)
Masonry:							
Portion of dam above el. 5,660, including Bastions and guide-walls	50,000 cu. yds.	$3.00	$6.25	$3.80	$7.50	$7.50	$8.35
Portion of dam below el. 5,660	3,000 cu. yds.	8.40	9.00	15.00	10.40	8.00	8.65
Excavation for foundation of dam and for spillways:							
Class 1	2,500 cu. yds.	1.40	2.00	5.00	2.50	2.25	1.21
" 2	500 cu. yds.	5.60	6.00	10.00	6.00	18.00	3.00
" 3	2,000 cu. yds.	2.10	4.00	3.00	3.00	4.50	2.50
Concrete in bridges, towers, spillways and guide-walls	1,000 cu. yds.	7.56	6.50	7.50	7.00	12.00	4.75
Hauling cement from Casper to damsite	40,000 bbls.	2.90	3.00	3.25	3.00	2.99	3.00
Total		$459,260	$482,000	$546,000	$548,450	$554,225	$577,725

*CONCRETE SEWER. — **Grand Rapids, Mich.**—Bids were received Aug. 11 by Board Public Works, L. W. Anderson, Cy. Engr., for constructing concrete-steel, concrete or brick sewer along West Side Ditch, the lowest bidder being the National Construction Co., South Bend, Ind., at the following bid; bids were taken on (1) regular construction and (2) using Parmley block: Sec. A1 350 ft., 7½ ft. diameter, (1) $12.25, (2) $12.25; Sec. A2, (1) $10.14, (2) $9.70; Sec. B, 2,347 ft., 7 ft. diameter, (1) $6.32, (2) $6; Sec. C1, 2,233 ft., 6½ ft. diameter, (1) $7.42, (2) $7.20; Sec. C2, 400 ft. 6½ ft. diameter, (1) $8.10, (2) $8; Sec. D, 1,585 ft., 6½ ft. diameter, (1) $4.56, (2) $4.40; Sec. E, 1,959 ft., 4½ ft. diameter, (1) $4.77, (2) $4.60; Sec. F, 461 ft., 4½ ft. diameter, (1) $5.62, (2) $5.50; Sec. G1, 1,100 ft., 4 ft. diameter, (1) $4.42, (2) $4.30; Sec. G2, 1,488 ft., 4 ft. diameter, (1) $5.55, (2) $5.40; Sec. H1, 887 ft., 3 ft. diameter, (1) $3.82, (2) $3.70; Sec. H2, 400 ft., 3 ft. diameter, (1) $4.41; Sec. I3, 1,134 ft., 2½ ft. diameter, (1) $2.85; Sec. I4, 200 ft., 2½ ft. diameter, (1) $3.50.

*WATER DISTRIBUTION SYSTEM.—**Ashland, Pa.**—Bids were received Aug. 1 by Borough Council for making additions to the water distribution system, the contract being awarded on Aug. 11. The bids received together with the engineer's estimates were as follows: (1) P. Frank Hawman, Reading, Pa., (2) DE NALLO & KLINGBERG, Kingston, N. Y. (awarded contract); (3) P. J. Cleary, Shenandoah, Pa., (4) Engineer's Estimate; T. Chalkley Hutton, Engr., Wilmington, Del.:

Bids received at Ashland, Pa., August 1, 1905, by Borough Council, for Making Additions to the Water Distribution System.

	(1)	(2)	(3)	(4)
2,550 ft. 12-in. heavy weight cast iron pipe	2.134	2.05	2.08	2.22
1,440 ft. 12-in. medium weight cast iron pipe	1.881	1.75	1.85	1.90
1,174 ft. 10-in. medium weight cast iron pipe	1.628	1.50	1.50	1.60
850 ft. 8-in. medium weight cast iron pipe	1.364	1.40	1.28	1.24
530 ft. 8-in. heavy weight cast iron pipe	1.744	1.48	1.40	1.45
280 ft. 6-in. heavy weight cast iron pipe	1.166	1.25	1.12	1.05
330 ft. 6-in. medium weight cast iron pipe	1.166	1.02	1.20	.98
1,560 ft. old 4-in. pipe removed	.165	.13	.40	.12
170 ft. old 6-in. pipe removed	.275	.16	.45	.15
150 ft. old 6-in. pipe relaid	.583	.50	.55	.52
9—12-in. gate valves	48.125	38.00	50.00	40.00
2—10-in. gate valves	33.165	29.00	50.00	28.00
6—8-in. gate valves	25.00	23.00	35.00	20.00
1—6-in. gate valves	18.425	16.00	25.00	16.00
3—4-in. gate valves	13.75	12.00	20.00	10.00
1—3-in. gate valves	11.27	9.00	15.00	6.00
17 Fire hydrants, 6-in. pipe	50.27	45.00	50.00	43.00
1—12-in. reducing valve	843.09	675.00	640.00	622.00
1—8-in. reducing valve	626.39	450.00	400.00	390.00
2—6-in. reducing valves	527.39	350.00	275.00	285.00
1—4-in. reducing valve	449.29	260.00	200.00	194.00
Total	$18,505	$16 552	$17,166	$16,737

*WATER MAINS.—**Union, N. J.**—Bids were received Aug. 14 by Township Committee Walter C. Hyatt, Township Engr., for furnishing pipe, hydrants, etc., and for laying same. Bids were taken for furnishing "hub and spigot" pipe and "Universal" pipe, the Denald on Iron Co., Emaus, Pa., being the lowest bidder for furnishing the former, at the following bid: 6 tons 4-in. pipe, $26.80; 370 tons 6-in. pipe, $26.80; 28 tons 10-in. pipe, $23.35; 270 tons 12-in. pipe, $23.35; 14 tons specials, $52.50; total, $18,397. For furnishing "Universal" pipe the Central Foundry Co., 116 Nassau St., New York, at $21,431, was low bidder, its itemized bid per ft. being as follows: 400 lin. ft., 4-in. pipe, 31¼ cts.; 22,400 lin. ft. 6-in. pipe, 50 cts.; 900 lin. ft. 10-in. pipe, 95½ cts.; 1,700 lin. ft. 12-in. pipe, $1.23; 14 tons specials, $75 (lump bid). For furnishing hydrants, valves, etc., Fairbanks Co., New York, submitted the following bid; (1) "Hub and Spigot" joint, (2) "Universal" joint: 30 hydrants, (1) $20, (2) $21.78; 30 4-in. valves and cast-iron box, (1) $7.88, (2) $8.38; 19 6-in. valves and cast-iron box, (1) $10.51, (2) $11.12; 1 10-in. valve, (1) $22.55, (2) $24.36, 3 12-in. valves, (1) $28, (2) $30; total, (1) $1,142.64, (2) $1,230.44. For laying "Universal" pipe, John P. Richards & Co., 2707 North Broad St., Philadelphia, at $4,304, was low bidder, the itemized bid being as follows: 400 lin. ft., 4-in. pipe, 10½ cts.; 22,400 lin. ft., 6-in. pipe, 11½ cts.; 900 lin. ft., 10-in. pipe, 12 cts.; 7,050 lin. ft., 12-in. pipe, 12 cts.; setting 30 hydrants, $3; 450 cu. yds. rock excavation, $1; 4 manholes, $48. For laying "Hub and Spigot" pipe, D. Cuozzo, 150 Nassau St., New York, at $8,070, was low bidder, the itemized bid being as follows: 400 lin. ft., 4-in. pipe, 16 cts.; 22,400 lin. ft. 6-in. pipe, 19½ cts.; 900 lin. ft. 10-in. pipe, 26 cts.; 7,050 lin. ft. 12-in. pipe, 33 cts.; setting 30 hydrants, $3; 450 cu. yds. rock excavation, $1.75; 4 manholes, $50.

*SEWER.—**Winnetka, Ill.**—Bids were received Aug. 10 by Board Local Improvements, F. A. Windes, Village Engr., for construction of sanitary sewer in Sheridan Roads and other streets, receiving chamber, ejector, etc.: F. G. Mortimer, Glencoe, Ill., at $14,750 being the lowest bidder. Mr. Mortimer's itemized bid was as follows: 1,-658 ft. 8-in. sewer, av. cut, 8.3 ft., 75 cts.; 585 ft. 8-in. sewer, av. cut, 7 ft., 67 cts.; 480 ft. 8-in. sewer, av. cut, 7.3 ft., 68 cts.; 520 ft. 8-in. sewer av. cut, 9.5 ft., 85 cts.; 650 ft. 8-in. sewer, av. cut, 6 ft., 60 cts.; 1,500 ft. 8-in. sewer, av. cut, 9 ft., 80 cts.; 1,020 ft. 8-in. sewer, av. cut, 11 ft., $1; 595 ft. 8-in. sewer, av. cut, 4.5 ft., 45 cts.; 27 manholes, $28; 100 6-in. Y junctions, $1; 3,130 ft. 6-in. cast-iron sewer pipe, 75 cts.; 2,400 ft. 3-in. cast-iron sewer pipe, 60 cts.; 3 3-in. gate valves, $7. Outlet at Elm St.—460 ft. 24-in. sewer, av. cut, 7.5 ft., $2.75; 1 special manhole, $50; 40 cu. yds. sand filling, 75 cts.; 5 cu. yds. concrete, $8.50; 10 sq. yds. rubble, $1.50; 1 brick connection, $15; 1 flusher, $45. By Pass.—3 6-in. gate valves, $15; 1 4-in. gate valve, $10; 1 manhole cover, $7; 4 specials, $2; 12 ft. 6-in. iron pipe, $1.25; 7 cu. yds. concrete, $8.50; 8 cu. yds. excavation, 50 cts. Receiving chamber.—30 cu. yds. concrete, $8.50; 1 manhole cover, $7; 1 screen, $5; 100 cu. yds. excavation, 50 cts. Ejector chamber.—15 cu. yds. concrete, $8.50; 7 cu. yds. concrete for top, $12; 2 manhole covers, $7; 1 6-in. gate valve, $15; 1 4-in. gate valve, $10; 50 cu. yds. excavation, 50 cts; 2 ejectors, air compressor and engine, additions to building, $3,050.

*DREDGING.—**Norfolk, Va.** — Following bids were received Aug. 11 by Capt. E. Eveleth Winslow, U. S. Engrs., for dredging in Pagan River: L. M. Lewis, Berkeley, Va., 18 cts.; John L. Grim, Philadelphia, Pa., 23 cts.; Norfolk Dredging Co., Norfolk, Va., 12.3 cts.; Coastwise Dredging Co., Norfolk, Va., 14 8 cts.

*DREDGING.—**Newport, R. I.**—Following bids per cu. yd were received Aug. 18 by Lt.-Col. J. H. Willard, U. S. Engrs., for dredging Woods Hole Channel, Hass.; $69,-950 is available, and $52,200 is approximate amount to be covered by this contract: J. S. Packard Dredging Co., Providence, R. I., $2.73; Charles M. Cole, Fall River, Mass., $2.97; International Contracting Co., New York, $5; W. H. Beard Dredging Co., New York, $3.90; Morris & Cumings Dredging Co., New York, $3.89; Daly & Hannon Dredging Co., Ogdensburg, N. Y., $3.09; R. G. Packard Co., New York, $1.74.

*RESERVOIR.—**Mount Vernon, Ill.**—Bids were received Aug. 15 for construction of water-works reservoir here for the Citizens Gas, Electric & Heating Co., the contract being awarded to J. M. DOOLITTLE & Co., Huntington, Ind., at the following bid: Embankment, 36,000 cu. yds., 30 cts.; sheeting, 520 ft., $1; rock excavation, 600 cu. yds., $1.50; concrete, 80 cu. yds., $9; bridge, $175; outlet pipe, $325. Total, $13,440. Alvord & Burdick, Engrs., Chicago, Ill.

*DREDGING.—**Wilmington, Del.**—Following bids were received Aug. 21, at U. S. Engineers Office for dredging in Appoquinimink River: Houston-Richards Dredging Co., Philadelphia, Pa., 12⅜ cts.; John L. Grim, Philadelphia, Pa., 10⅜ cts.; River & Harbor Improvement Co., Philadelphia, Pa., 9⅞ cts.; Patrick Neary, Wilmington, Del., 15 cts.

MEXICO.

The names of parties awarded contracts are printed in capital letters.

RESERVOIR.—**Chihuahua.**—H. A. Hollister, one of the owners of the Santo Domingo ranch, situated 30 miles west of the city of Chihuahua, is planning the construction of a large dam, 300 ft. long and 40 ft. high, to store water for irrigation.

MINING MACHINERY.—**Mexico.**—R. B. Hutchinson, Gen. Mgr. of the Concheno mine, near Ocampo, state of Mexico, is to increase the capacity of the cyanide plant at the mine, from 60 tons to 100 tons daily. An electric power plant is also to be installed.

SUBWAY.—**City of Mexico.**—Lieut. Col. Felix Diaz, Lic. Lorenzo Elizaga and Lic Luis Ibarra have applied for a concession for an underground system of electric railways. It is also proposed to extend the system from the city to the suburbs, the latter portion of the line being elevated.

WATER-WORKS SEWERS.—**Monterey.**—It is announced that Mackenzie & Mann, Toronto, Ont., have secured the concessions for water-works and sewer systems for this city, the cost of construction of which will amount to $2,000,000. Mackenzie & Mann have also acquired control of the street railway system.

BRIDGE.—**Matamoras, Tamaulipas.**—The Federal Government has granted a concession to Timoteo Castenada to construct a bridge to connect Matamoras with Brownsville, Tex. The bridge must be completed within the term of two years, and the plans submitted for approval within six months. The bridge must be double, one section for the use of railways, and the other for street cars, carriages and foot passengers.

RAILROAD. — **Irapauto, Guanaluato.** — Funds are stated to have been provided for constructing the first 55 miles of Morelia & Tacambara Ry., of which E. J. Chamberlain, Ottawa, Ont., is Pres., C. D. Knapp, Jr., New York, is Secy. The total length of the line is to be 225 miles, and it is planned to complete it within 18 months. The new line will run north and south from Irapuato, in the State of Guanajuato, to Puruandiro, in the State of Michoacan. At the former point it connects with the Mexican Central.

RAILROAD EXTENSIONS.—**City of Mexico.**—Plans for improvements on the Mexican Central Railroad have been announced, which when completed will call for an expenditure of about $10,000,000. The system, which has now a mileage of 3,100, will within 18 months, have a mileage of 4,100. About $500,000 is being spent to change the equipment from coal to oil burning. The new mileage will consist of four new branches, the longest of which, the new short line from Tampico to Mexico City, is 294 miles. L. Kingman, City of Mexico, is Ch. Engr.

RAILROAD.—**City of Mexico.**—The Department of Communications has granted to J. A. Naugle, Asst. Gen. Mgr., Sonora Ry., Guaymas, Mex., as representative of the Southern Pacific R. R. concession for the construction and operation of a railroad between Guaymas, the southern terminus of the Sonora railroad and Guadalajara, or some other point on the Mexican Central R. R. The road will be approximately 1,205 kilometers long and will cost $30,000,000. The Mexican government gives a subsidy of 12,-500 pesos per kilometer. The concession calls for the completion of the entire line within seven years.

RAILWAY.—**Toluca.**—The necessary capital has been provided for the construction of the projected railway from the city of Toluca to Puente de Ixtle, in the state of Mexico, also from Toluca to Zecualpam. The concession for the road has lately been transferred to the Swift Packing Co., of Chicago, which, with Juan Ochoa Ramos, are now sole owners. G. H. T. Shaw is Ch. Engr., and will, at once locate the line for immediate construction, work to commence after the termination of the rainy season. BURT LINDERMAN has been awarded the contract for the construction of the road, and may be addressed at Toluca.

FOREIGN CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

DREDGES.—**Chile.**—The Chilean Legation, 60 Rue de Prony, Paris, France, will open tenders Sept. 20 for the construction of two dredges for Chile. Particulars can be obtained at the Legation in Paris.

PIER.—**India.**—Bids are asked by J. Tyers, Secy., Trustees of the Port of Bombay, Ballard Road, Bombay, until 11 a. m., Sept. 25 for the construction of a new pier for tank oil steamers at Sewree, near Bombay. The pier consists of Moorum bank, about 8,000 ft. long, a screw pile pier, about 3,000 ft. long, a screw pile pier head, dolphin and landing stage. J. Wolfe Barry, Consult. Engr., 7 The Sanctuary, Westminster, London, S. W., England.

WATER-WORKS, ELECTRIC PLANT.—**India.**—Tenders are asked by the Chairman Municipal Board, Mussoorie, India, until Oct. 23 for supply, delivery, and erection at sites, in complete working order, of the following plant: Steel rower pipes, water motors, alternators, with exciters; switchboards, with instruments and apparatus; transformers; induction motors; pumps; workshop machines. Also for the supply and delivery of the following: bare copper wire for overhead mains; insulators and lightning arresters; arc and incandescent lamps; telephone equipment; workshop tools; general stores. Specifications, form of tender, and general conditions can be obtained on application to C. H. Shanan, Municipal Electrical Engineer, Municipal Office, Mussoorie, India.

DOCK. - RAILWAY.—**England.**—Bids are asked by Humber Commercial Ry. & Dock Co., O. S. Holt, Secy., Marylebone Station, Great Central Ry., London, N. W., until noon Sept. 20 for the construction at Immingham, near Great Grimsby, of a new dock having a water area of about 42 acres, together with a lock and entrance from the River Humber, entrance, jetties river embankment, drain diversions and other contingent works; also for the construction of a double line of railway about 4½ miles in length, and other railways and sidings surrounding the dock, having an aggregate length of about 4 miles. The contract will be exclusive of lock gates, machinery, equipment, permanent way and signaling. Contract drawings and specification may be seen at the offices of John Wolfe Barry & Co., 21 Delahay St., Westminster.

ELECTRO-TECHNICAL EXHIBITION.—**Russia.**—An exhibition of electro-technical goods is to be held at Kieff, under the auspices of the Imperial Russian Technical Society and the Kieff Town Council. The exhibition will open April 7, and is to be held in connection with a Congress of Russian electro-technical engineers. Exhibits can be made under the following sections: 1, Boilers and other fittings; 2, machinery for electric generators; 3, electrical machinery; 4, electro-chemistry and electro-metallurgy; 5, electric lighting; 6, transmission of power, electrical traction, electrical motors; 7, telegraphs, telephones and railway signaling; 8, measuring apparatus; 9, electro-medicine; 10, various applications of electricity; 11, electro-technical education. Foreign-made goods will enjoy the same privileges as goods of Russian manufacture.

RAILWAY.—**Chile.**—The Chilean Government is asking bids until Jan. 2, 1906, for the construction of a railway from Arica, Chile, to La Paz, Bolivia. The road, the estimated cost of which is about $12,000,000, is one of the many to be built by the Chilian Government by agreement with Bolivia to recompense the latter for the loss of several seaports on the Pacific Coast now belonging to Chile. The following extract from the Valparaiso "El Mercurio" of July 1, gives further information concerning the work. The commission of engineers employed by the Secretary of Foreign Affairs to make the plans for the railway from Arica to La Paz has handed in its report to the government. The Minister of Interior in accord with the Department of Public Works will proceed to ask for bids for the construction of this work. We are informed that private propositions have been submitted to the government already. (July 1 or 2) a decree will be signed by the government calling for tenders for the construction of the railway which will unite Arica with the Alto de La Paz and the branches and to Tacna Sulphur beds, the mines of Coro Coro and the Port in the Desaguadero River. The government guarantees 5% interest per annum for 20 years on the capital invested in the construction. Bidders must accompany their tenders with a certificate of deposit of £70,000 sterling as a guarantee. For the bid which is accepted, this deposit will be increased to £100,000 sterling. The contractor will have as a free concession, the use of such government lands as may be necessary for the construction and operation of the railway and the water rights which it may require for its needs, including that of power. The government will declare all of the private lands which it may be necessary for the company to expropriate for the construction and operation of the lines as a public necessity. It will also declare free of import duty the materials, tools, equipments and other objects which it may be necessary to import from abroad for the railway. With the object of declaring of public necessity the private lands, as also for the exemption of import duty, the government will ask Congress to pass a special law.

PUBLIC WORKS.—**Europe.**—A recent issue of the Daily Consular and Trade Reports of the Bureau of Manufactures, Department of Commerce and Labor, contains the following information, collected by Richard Guenther, U. S. Consul General at Frankfort, Germany, regarding proposed expenditures for public and other improvements in Europe:

Water-works, Sewers, etc.—**Germany.**—The following municipalities of Germany have been authorized to issue bonds for projected public improvements, among which are water and sewerage works, electric plants for power and lighting, electric tramways, gas works, public baths and buildings, etc., as the case may be. The mayor (buergermeister) of the town or city mentioned can furnish information: Erfurt, $238,000; Kissingen, $166,600; Loerrach, Baden, $260,000; Halle, $1,166,000; Worms (Hessen), $714,000; Ruedesheim-on-the-Rhine, $54,000; Dresden, $9,520,000; Hirschberg (Schlesien), $95,000; Remscheid, $497,000; Balingen, I. W., $75,000; Breslau, $208,200.—The city of Crefeld is to be connected by tramway lines with Suechtein and Viersen.—The bathing resort Kreuznach will have electric works built and an electric railroad to Muenster and Stein.

Water-works, Elevators, etc.—**Belgium.**—The municipality of Braine-le-Comte will receive until Oct. 1 bids for constructing waterworks.—Three electric elevators are to be constructed at the harbor of Ghent.—The Societe Nationale des Chemins de Fer Vicinaux, of Brussels, has invited bids for building a railroad from Diest to Coursel.

Railroad.—**Bulgaria.**—The Bulgarian Ministry of Communications at Soña has advertised for bids for constructing a railroad line from Tirnovo to the Turkish border.

Water-works, Sewerage, etc.—**Austria.**—The municipality of Karlstadt, Croatia, has invited international competition for constructing water and sewerage works for that city.—The municipality of Agram, Croatia, projects the construction of water-gas works and an electric tramway line.—The city of Trieste has granted $182,000 for extending the water mains.—The gas works at Teplitz, Bohemia, are to be enlarged and improved.

Tramways, Electric Works, etc.—Great Britain.—The town of Heywood has voted $186,000 for changing the tramway to electric traction and the building of a power station. —City of Limerick, Ireland, is to have electric tramways.—The docks at Liverpool are to be extended, at an estimated expense of $21,135,000.—The town council of Goole has decided to have electric works built for lighting and power.

Electric Station, Railroad, etc.—Holland.—The Directie der Electrische Maatschappy in Elst contemplates the erection of an electric station.—The municipality of Volendam will have a steam railroad constructed between that town and Kwadyk.—The Directie der Tram-en Bargedienst at Utrecht has obtained a permit to construct a railroad from that city to Vreeswijk.—The municipality of Oudewater plans the building of tramway lines.—The Drentsche Stoomtramweg Co. of Assen plans the construction of tramway lines.—The municipality of Renkum will have waterworks built at Lisse. Apply to Centraal Bureau voor Technische Adviezen in Rotterdam.—The Gemeentebestur of Groningen decided upon the building of an iron bridge in that city.—The Handelsvereenigung Amsterdam in Amsterdam projects the building of a sugar factory at Kediri, Island of Java.

Electrical Works, Tramway, etc.—Italy.—The Centrale Elettrica Ligure-Toscana in Livorno projects the construction of electrical works.—The municipality of Naples has prepared a draft of regulations for utilizing the water power of the Volturno for electric energy and for constructing a power plant.—A new electric tramway line is to be built from the Porta San Giovami to the Piazza Termini in the city of Rome.

Railroad, Bridges.—Portugal.—A railroad is to be built between Noncorvo and Carvicaes. —The Companhia Nacional de Caminhos de Ferro will have several iron bridges and viaducts constructed.

Electric Lighting.—Roumania.—A contract will be awarded on Sept. 10 by the municipality of Turnu-Severin for lighting that city by electricity.

Tramways, Electric Works, etc.—Spain.—The municipality of Madrid purposes to issue $10,000,000 bonds to be expended for public works.—The Direccion General de Obras Publicas in Madrid has granted a concession to the Sociedad La Plata for utilizing the Bornoba River in Hiendelaencina, province of Guadalajara, for the creation of electric energy to work the mines of that district.—The Junta de Obras del Puerto in Almeria projects the construction of a dredger for that port.—Don Antonio Conejero has applied to the Ministry of Public Works for a concession to build a railroad from Baeza to Santuario.—The municipality of La Rambla plans the installation of electric lighting and the municipality of Calannas (province Huelva) is planning the same work.—Don Jose Lopez Planas, in Oviedo, has obtained a permit for constructing an electric tramway between Oviedo and Posada.—The town of Orense is to get a telephone system.—The city of Leon will expend $600,000 for water and sewerage works.—Talavera de la Reina (province Toledo) is to have a telephone system.—The town of Mazarron projects the construction of electric works for lighting.—The Ministerio de la Gobernacion in Madrid has been empowered to spend $58,000 for repairing submarine cables.—A tramway will be built from Valencia to Moncada.—A syndicate has applied for a concession to utilize the water power of the Henares and the Tajuna rivers for creating electric energy to supply light. Address Don Felipe Mora in Armunna (Guadalajara).

Manufacturing Plant.—Sweden.—The Stora Kopparberg Co., Donnorfvet, Sweden, intends to erect works for manufacturing steel rails and construction iron. Machinery for this branch of manufacture will be required.

Buildings, Railroads, etc.—Switzerland.—The Swiss Federal Diet has granted $284,000 for enlarging the railroad station at St. Gall and $1,080,000 for constructing additional workshops at the railway station in Zuerich. —Electric railroads are to be built as follows: Lugano to Paradiso, Lugano to Gersa, Lugano to Salvatore Railroad Station, Molino Nuovo to connect with St. Gotthard Railroad, Neuhingen to Grindelwald, Oerlikon to Schwamendingen, Locarno to Valmarra, Locarno to Camedo, Grindelwald to the Sea of Ice.

Electric Lighting.—Turkey.—The Societe d'Exploitation du port de Salonique will introduce electric lighting in Saloniki and construct electric tramways in that city.

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News page 66.

SEWERS.

Lawrence, Kansas.

Bids at City Clerk's Office, Lawrence, Kansas, until 5 p. m., Sept. 4, 1905, for main sewer, 3,000 feet 12 inch pipe, lateral sewer 150 feet 8 inch pipe, Y's, flush tank. 8-1t

600,000 YARDS EXCAVATION.

Will sub-let at good price.

E. M. GRAVES,

8-2t 37 Lombard Bldg., Indianapolis, Ind.

OFFICE OF THE COMMISSIONERS, D. C., Washington, D. C., Aug. 22, 1905.—Sealed proposals will be received at this office until 12 o'clock M., Sept. 7, 1905, to construct sewers in the District of Columbia. Specifications and blank forms of proposal may be obtained at this office. The right is reserved to reject any and all bids or parts of bids. HENRY B. F. MACFARLAND, JAY. J. MORROW (Acting), Commissioners, D. C. 8-1t

WATER-WORKS IMPROVEMENTS

Garfield, N. J.

Sealed proposals will be received, and publicly opened, at 8.00 P. M., August 30th, 1905, by the Mayor and Borough Council of Garfield, New Jersey, at the Borough Hall, for:

First. For distributing, laying, etc., about 36,800 lin. ft. of 3" to 10" pipe, hydrants, etc., the Borough to supply all pipe, hydrants, gate-valves and specials.

Second. The contractor to furnish, distribute, lay, etc., all pipe, hydrants, gate-valves, specials, etc.

Each proposal must be made upon the blank forms furnished by the Borough and must be accompanied by the certified check for $200 and for $1,000, respectively, the check to be made payable to the Collector of the Borough of Garfield. The checks of the unsuccessful bidders will be at once returned to them and the check of the successful bidder will be returned as soon as he has executed the proper bond and it has been accepted.

The Mayor and Borough Council reserve the right to reject any or all bids.

Plans and specifications may be seen and forms of proposal and contract be obtained at the residence of Leonard A. Troast, Chairman of the Committee, 37 Washington Place, Garfield, N. J., or at the office of Wise & Watson, Engineers, 34 Bloomfield Ave., Passaic, N. J.

The work is to be completed on or by the 15th day of November, 1905.

WM. B. HEPWORTH, Mayor.
LEONARD A. TROAST,
CORNELIUS WARNAAR,
JOHN FORSS,
Com.

FRANK E. KANE, Borough Clerk.
WISE & WATSON, Engineers. 8-1t

Blue prints and specifications are on file at the office of Engineering News, 220 Broadway, New York.

PROPOSALS FOR A HIGH DUTY WATER-WORKS PUMPING ENGINE FOR THE CITY OF PERTH AMBOY, N. J.

Sealed proposals will be received at the office of the Board of Water Commissioners at the City of Perth Amboy, N. J., at the City Hall, at 8 o'clock p. m., August 30th, 1905, for furnishing and erecting one eight-million-gallon pumping engine in accordance with plans and specifications on file in the office of the Clerk of the Board of Water Commissioners in the City Hall, copies of which may be obtained of Samuel J. Mason, engineer, at No. 102 Smith street, Perth Amboy, N. J. Said engine to be placed in an addition to be built to the pump house at Runyon, N. J. Each bidder may bid on Class A. and Class B. as specified and such bids to include all accessories usually accompanying an engine of the class bid upon, together with steam and water connections, the whole ready and in place. In comparing bids consideration will be given to special adaptability to conditions met, merit of design and economy, as well as first cost.

Each bid must be accompanied by plans sufficiently in detail to give a clear idea of the sizes and arrangement of the principal parts and by specifications giving a description of the engine, and stating the duty to be guaranteed, length of time required for completion, etc. Each bid must be accompanied by a certified check for an amount equal to five (5) per cent. of the amount of the bid.

The right is reserved to reject any or all proposals.

ADAM ECKERT,
Clerk.

Perth Amboy, August 12th, 1905. 8-1t

Plans and specifications for this work may be seen at the office of Engineering News, 220 Broadway, New York.

WATER-WORKS IMPROVEMENTS.

Dover, Pa.

Sealed proposals will be received by the Town Clerk (Jacob H. Kann, Dover, Pa.) until Sept. 6th, 2 p. m., for pipe and laying, tower and tank, power house and engine, specials, valves and boxes. Right reserved to reject any or all bids. Specifications furnished on application by the Engineer.

CHAS. S. YORK, Engr.,
8-2t Baltimore, Md.

U. S. ENGINEER OFFICE, Duluth, Minn., Aug 19, 1905.—Sealed proposals for U. S. Engineer building at Duluth, Minn., will be received here until noon, Sept. 18, 1905, and then publicly opened. Information on application. CHAS. L. POTTER, Major, Engrs. 8-4t

WATER-WORKS IMPROVEMENTS.

Carbon Hill, Walker County, Alabama. August 18th, 1905.

Sealed proposals, endorsed "Bids for Water and Light Plant," will be received until 8 o'clock P. M. on Monday, September 4th, 1905, by the undersigned, as follows:

1. For furnishing approximately 365 tons of eight, six and four-inch cast-iron pipe, 12,500 pounds special castings, 37 double nozzle fire hydrants, six 8-inch, eleven 6-inch and fourteen 4-inch gate valves, laying 25,000 feet of cast-iron pipe and setting valves, hydrants and boxes.
2. For the erection of a brick or concrete block power house.
3. For furnishing one 100-HP. high speed automatic engine.
4. For furnishing two 100-HP. boilers and fittings.
5. For furnishing one compound, one duplex and one feed pump.
6. For furnishing and erecting one 80,000-gallon steel tank and tower.
7. For the construction of an 80,000-gallon surface reservoir.
8. For furnishing one 60-kilowat, 60-cycle, single phase, 2,300-volt alternator, together with exciter, switchboard and station instruments; pole line, transformers, 20 standard 6.6 ampere series inclosed arc lamps of latest design.

The right to reject any or all bids is reserved by the Town of Carbon Hill.

Plans and specifications are on file in the office of the Town Clerk. Blank forms for proposals and specifications can be obtained at said office or at the office of Edgar B. Kay, Engineer, Tuscaloosa, Alabama.

B. B. GUTHRIE,
8-1t Town Clerk.

PIPE SEWERS.

Boise City, Idaho.

Sealed bids will be received at the office of City Clerk of Boise City, Idaho, up to noon, September 9, 1905, for building lateral sewers and appurtenances, after plans and specifications on file in this office.

The work includes approximately:
22,300 lin. ft. of 8" Vitrified Pipe Sewers.
60 Manholes.
15 Flush-tanks.
4 Flush Lines with Settling Basins.

Each bid must be accompanied by a certified check for fifteen hundred ($1,500.00) dollars on one of the banks of Boise City. Bids must be made in accordance with and be governed by legal notice in local papers.

Forms of proposal and specifications may be obtained on application. Plans will be loaned on deposit of $2.00.

JOS. BEAL,
8-2t City Clerk.

Plans and specifications may be seen at the offices of Engineering News, 220 Broadway, New York, and Monadnock Block, Chicago, Ill.

WATER-WORKS PLANT.

Princeton, Kentucky, August 21, 1905.

Sealed bids for furnishing material and constructing a system of water-works will be received by the City Council of Princeton, Ky., until 8 o'clock p. m., Tuesday, Sept. 5, 1905. Bids will be received separately on the following items: 470 tons pipe and specials; 67 hydrants and 55 valves; two 80 HP. R. T. boilers; heater; two ¾ million compound pumps; air-lift plant for pumping wells; 100 ¾-inch meters and boxes; and the entire construction work, embracing pipe-laying, surface reservoir, power house, and installation of machinery.

Plans are on file with the City Clerk and at the office of the Engineer. Specifications may be obtained by addressing the City Clerk.

Certified check for $50 will be required with each item of bid. The right is reserved to reject any and all bids.

EDWARD GARRETT, Mayor.
J. N. BREWER, City Clerk.
GRANBERY JACKSON, C. E., Engineer,
Nashville, Tenn. 8-1t

DEPARTMENT OF THE INTERIOR, UNITED STATES GEOLOGICAL SURVEY, RECLAMATION SERVICE, Washington, D. C., August 22, 1905.—Sealed proposals will be received at the office of the United States Reclamation Service, Roswell, N. M., until 2 o'clock p. m., October 17, 1905, for the construction and completion of earth embankments, involving about 200,000 cubic yards of earthwork and 150,000 cubic yards of overhaul, at a point about 12 miles southwest of Roswell, New Mexico. Plans, specifications and forms of proposal may be obtained by application to the Chief Engineer of the Reclamation Service, Washington, D. C., or to W. M. Reed, Roswell, New Mexico. THOS. RYAN, Acting Secretary. 8-6t

MAIN SEWERS.

Lexington, Ky., August 15th, 1905.

Sealed bids and proposals for furnishing all labor and materials for constructing three main sewers in the City of Lexington, Kentucky, addressed to the undersigned and endorsed "Proposals for construction of main sewers," will be received by the undersigned until 10:00 A. M., standard time, September 13th, 1905, in accordance with plans and specifications on file in the office of P. P. O'Neil, City Engineer.

The work includes in approximate quantities the following principal items:

5,780 feet of 8" pipe.
3,350 feet of 10" pipe.
10,900 feet of 12" pipe.
2,900 feet of 18" pipe.
4,300 feet of 20" pipe.
7,000 feet of 24" pipe.
5,400 feet of 3" pipe with appurtenances for house connections.
115 manholes.
4 flush tanks.

Each proposal must be accompanied by a certified check for an amount equal to 5% of the bid. A bond for 50% of the amount of the contract will be required of the successful bidder.

Copies of the specifications can be had on application to the City Engineer. Copies of the plans will be loaned only to prospective bidders applying in person. A copy of the plans and specifications can be seen at the office of Hering & Fuller, Consulting Engineers, 170 Broadway, New York, N. Y. The right is reserved to reject any and all bids.

8-2t THOMAS A. COMBS, Mayor.

DEPARTMENT OF THE INTERIOR, Office of Superintendent U. S. Capitol Building and Grounds, Washington, D. C., July 24, 1905.—Sealed proposals (in duplicate) will be received and opened at the above office on Saturday, September 30, 1905, at 2 o'clock P. M., for furnishing all material, labor and other appliances, and erecting and putting in operation, in a building and on foundations to be provided by the United States, and in locations within the Capitol Building, Congressional Library Building and Senate and House Office Buildings, now under construction, a complete Heating, Lighting and Power Plant, including machinery, boilers, piping, electrical transmission, cables and conduits, appliances and all other equipment in said power house building and in the other buildings named, and as set forth on plans. The necessary plans showing the general layout, and complete information and specifications containing the same, will be furnished to responsible, intending bidders, and a certified check in the sum of $50, payable to the order of the undersigned, must accompany requests for plans and specifications. Information as to the amount of check, surety bond or cash to be deposited with the bid, and the sub-equent bond required for the performance of the contract, will be stated in the specifications. No bid will be considered which does not contemplate the erection of the complete plant as called for under the terms of the specifications. The right to reject any or all bids is reserved, or to waive any informality in any bid. ELLIOTT WOODS, Superintendent U. S. Capitol Building and Grounds. Approved: THOS. RYAN, Acting Secretary. 5-8t

OFFICE CONSTRUCTING QUARTERMASTER, Prescott, Ariz., August 19, 1905.—Sealed proposals in triplicate will be received here until 3 P. M., September 8, 1905, and then opened, for construction, plumbing, hot water heating and electric wiring of hospital at Whipple Barracks, Arizona. Plans specifications and other information in this office and in those of the Chief Quartermasters, San Francisco, Cal., and Denver, Colo., and the Recruiting Officer, Los Angeles, Cal. CHAS. C. WALCUTT, JR., Capt. and Q. M. 8-3t

OFFICE OF THE COMMISSIONERS, D. C., Washington, D. C., Aug. 22, 1905.—Sealed proposals will be received at this office until 12 o'clock noon, September 16, 1905, to construct a concrete bridge on the line of 16th street extended, across Piney Branch. Blank forms of proposal, specifications, and all necessary information can be obtained at the Office of the Engineer Commissioner, D. C. HENRY B. F. MACFARLAND, JAY J. MORROW (Acting), Commissioners, D. C. 8-2t

SITUATIONS OPEN

STRUCTURAL ENGINEER wanted to take charge of drafting room and shops manufacturing structural steel. Must be capable of designing any kind of structure. Must have had good shop experience. Party preferred who will invest $15,000. Address "K. A. S." Engineering News, New York. 8-4t

When Looking for a New Position you may find Considerable Help by using the "Want" Pages of ENGINEERING NEWS.